

### **AMENDMENTS TO THE CLAIMS**

This listing of claims will replace all prior versions, and listings, of claims in the application:

#### **Listing of Claims:**

Claim 1. (Original). A method for producing a composition having a fragrance that substantially mimics a fragrance of a plant, the method comprising the steps of:

(a) identifying a plurality of different chemical entities emitted from a plant, wherein the plurality of different chemical entities combine to form the fragrance of the plant;

(b) determining a concentration of the plurality of different chemical entities emitted from the plant, the plurality of different chemical entities including at least a first chemical entity and a second chemical entity, the first and second chemical entities having different chemical structures;

(c) providing a stock of the first chemical entity and a stock of the second chemical entity; and

(d) mixing together aliquots of the stock of the first chemical entity and the stock of the second chemical entity to form a mixture wherein a ratio of the concentration of the first chemical entity to second chemical entity is substantially the same as that emitted from the plant.

Claim 2. (Original). The method of Claim 1, wherein the plant is selected from rose, petunia, lilac, lavender, gardenia, orchid, snapdragon, cyclamen, lily, hyacinth, carnation, citronellia, mint, lemon, lime, orange, and pineapple.

Claim 3. (Original). The method of Claim 2, wherein the plant is a rose.

Claim 4. (Original). The method of Claim 2, wherein the plant is a petunia.

Claim 5. (Currently Amended). The method of Claim 1, wherein the first chemical entity and the second chemical entity each comprise a compound ~~selected from compounds listed~~

~~in Table 1, selected from the group consisting of:~~ Acetaldehyde; Ethanal; Acetic aldehyde; Acetic acid; Ethanoic acid; Acetoin; 3-Hydroxy-2-butanone; Acetone; 2-Propanone; Propan-2-one; Dimethyl ketone; Acetophenone; Methyl phenyl ketone; Acetylpyrazine; 2-Acetylpyrazine; Acetylpyridine; 2-Acetylpyridine; Acetylpyrrole; 2-Acetylpyrrole; Methyl pyrrolyl ketone; Acetylthiazole; 2-Acetylthiazole; Allyl sulfide; Diallyl sulfide; Ambrox® ((+)-Ambrox isomer); Ambrox® ((-)-Ambrox isomer); Ambroxan; Ambrox® (DL-Ambrox isomer); Synambran; Amyl alcohol; 1-Pentanol; Pentyl alcohol; Amyl butyrate; n-Pentyl butanoate; Amyl butanoate; Anisole; Methoxybenzene; Benzaldehyde; Benzenethiol; Thiophenol; Phenyl mercaptan; Benzothiazole; Benzyl alcohol; Bornyl acetate; Butanethiol; 1-Butanethiol; Butanone; 2-Butanone; Methyl ethyl ketone; Butyl acetate; n-Butyl acetate; Butyl alcohol; Butanol; 1-Butanol; n-Butanol; Butyl butyrate; Butyl butanoate; Butyl hexanoate; Butyl caproate; Butyl isobutyrate; n-Butyl 2-methylpropanoate; Butyl methylbutyrate; n-Butyl 2-methylbutyrate; Butyl propionate; n-Butyl propanoate; Butylamine; 1-Aminobutane; Butyraldehyde; Butanal; n-Butanal; Butyric acid; n-Butanoic acid; Carvone; (-)-carvone Caryophyllene;  $\beta$ -Caryophyllene; Citral (Geranial isomer); Citral (Neral isomer); Citronellol ((+)-Citronellol isomer); Cresol; 2-Methylphenol; o-Cresol; Cresol; 3-Methylphenol; m-Cresol; Cresol; 4-methylphenol; p-Cresol; Cyclocitral ( $\beta$ -Cyclocitral isomer); Damascenone;  $\beta$ - Damascenone; Damascone;  $\alpha$ - Damascone; Damascone ((+)- $\alpha$ -Damascone isomer); Damascone ((-)- $\alpha$ -Damascone isomer); Decadienal; trans,trans-2,4-Decadienal; Decalactone;  $\gamma$ -Decalactone; 4-Decanolide; Decalactone; delta-Decalactone; 5-Decanolide; Decanal; Aldehyde C-10; Decyl aldehyde; Decanoic acid; Capric acid; Decenal; 2-Decenal; (E)-2-Decenal; Diacetyl; 2,3-dioxobutane; Dimethoxyphenol; 2,6-Dimethoxyphenol; Syringol; Dimethyl disulfide; Methyl disulfide; Dimethyl trisulfide; Methyl trisulfide; 3,4-Dimethyl-1,2-cyclopentanedione; 3,5-Dimethyl-1,2-cyclopentanedione; 2,5-Dimethyl-4-methoxy-3(2H)-furanone; Dimethylpyrazine; 2,3-Dimethylpyrazine; Dimethylpyrazine; 2,5-Dimethylpyrazine; Dimethylpyrazine; 2,6-Dimethylpyrazine; Dimethylthiazole; 4,5-Dimethylthiazole; Dimethyltrithiolane; 3,5-Dimethyl-1,2,4-trithiolane; Dodecalactone;  $\gamma$ -Dodecalactone; 4-Dodecanolide; Dodecalactone; delta- Dodecalactone; 5-Dodecanolide; Dodecanal; Lauric aldehyde; Aldehyde C-12; Dodecyl aldehyde; Dodecanoic acid, Lauric acid; Ethoxymethylpyrazine; 2-Ethoxy-3-methylpyrazine; Ethyl acetate; Ethyl acetoacetate; Acetoacetic acid, ethyl ester; Ethyl acrylate; Ethyl alcohol; Ethyl benzoate; Ethyl

butyrate; Ethyl butanoate; Ethyl cinnamate; Ethyl heptanoate; Ethyl hexanoate; Ethyl caproate; Ethyl isobutyrate; Ethyl 2-methylpropanoate; Ethyl lactate; Ethyl methylbutyrate; Ethyl 2-methylbutyrate; Ethyl 3-methylthiopropionate; Ethyl palmitate; Ethyl hexadecanoate; Ethyl cetylrate; Ethyl phenylacetate; Ethyl propionate; Ethyl propanoate; Ethyl valerate; Ethyl pentanoate; Ethyl vanillin; 3-Ethoxy-4-hydroxybenzaldehyde; Ethavan; 2-Ethyl-3,5-dimethylpyrazine; 2-Ethyl-3,6-dimethylpyrazine; Ethyldimethylpyrazine; 3-Ethyl-2,6-dimethylpyrazine; Ethylguaiacol; 4-Ethylguaiacol; 4-Ethyl-2-methoxyphenol; Ethylhexanol; 2-Ethyl-1-hexanol; 2-Ethylhexan-1-ol; Ethylhydroxymethylfuranone; 2-Ethyl-4-hydroxy-5-methyl-3(2H)furanone; Ethyl methoxypyrazine; 2-Ethyl-3-methoxypyrazine; Ethyl methylpyrazine; 2-Ethyl-5-methylpyrazine; Ethyl methylpyrazine; 3-Ethyl-2-methylpyrazine; Ethyl methylpyridine; 5-Ethyl-2-methylpyridine; Ethylpyrazine; 2-Ethylpyrazine; Eucalyptol; Cineole; 1,8-Cineole; 1,8-epoxy-p-menthane; Eugenol; 4-Allyl-2-methoxyphenol; Eugenyl methyl ether; Methyl eugenol; Methyl eugenol ether; Farnesol; Formic acid; Furfural; Furfuryl alcohol; Furfuryl mercaptan; Furyl methyl ketone; 2-Furyl methyl ketone; 2-Acetylfuran; Geraniol; trans-3,7-Dimethyl-2,7-octadien-ol; Geranyl acetate; Geranyl acetone; 6,10-Dimethyl-5,9-undecadien-2-one; Geranyl isobutyrate; Geranyl 2-methylpropanoate; Geranyl propionate; Geranyl propanoate; Glycerol; Glycerin; Glycine; Aminoacetic acid; Guaiacol; o-Methoxyphenol; o-Hydroxyanisole; Heptalactone; gamma-Heptalactone; 4-heptanolide; Heptanal; Aldehyde C-7; Heptaldehyde; Heptyl aldehyde; Heptanoic acid; Heptanone; 2-Heptanone; Methyl amyl ketone; Heptenal, 4-Heptenal (cis and trans); Heptenal; trans-2-Heptenal; Heptenal; (E)-4-Heptenal; trans-4-Heptenal; Heptenal; (Z)-4-Heptenal; cis-4-Heptenal; Heptenone; 3-Hepten-2-one; (E)-3-Hepten-2-one; Heptyl alcohol; 1-Heptanol; n-Heptanol; Alcohol C-7; Heptyl isobutyrate; Heptyl 2-methylpropanoate; Hexadienal; (E,E)-2,4-Hexadienal; trans,trans-2,4-Hexadienal; Hexalactone; gamma-Hexalactone; 4-Hexanolide; Hexan-4-olide; Hexanal; Aldehyde C-6; Caproic aldehyde; Hexanoic acid; Caproic acid; Hexanol; 1-Hexanol; Hexyl alcohol; Caproic alcohol; Alcohol C-6; Hexenal; 2-hexenal; Hex-2-enal; (E)-2-hexenal; Hexenal; cis-3-Hexenal; (Z)-3-hexenal; Hexenol; 3-Hexen-1-ol; cis-3-Hexenol;(Z)-3-Hexenol; Hexyl acetate; Hexyl butyrate; Hexyl butanoate; Hexyl isobutyrate; Hexyl 2-methylpropanoate; Hexyl methylbutanoate; Hexyl 2-methylbutanoate; Hexyl propionate; Hexyl propanoate; Hydroxydecadienoic acid lactone; 6-Pentyl-alpha-pyrone, Hydroxydihydrotheaspirane; 6-Hydroxydihydrotheaspirane; Indole;

lonone; alpha-lonone; lonone; beta-lonone; Isoamyl acetate; 3-Methylbutyl acetate; Isoamyl alcohol; 3-Methyl-1-butanol; Isopentyl alcohol; Isobutyl acetate; Isobutyl alcohol; 2-Methyl-1-propanol; Isobutyl isobutyrate; 2-Methylpropyl 2-methylpropanoate; Isobutyrimethoxypyrazine; 2-Isobutyl-3-methoxypyrazine; Isobutylmethylpyrazine; 2-Isobutyl-3-methylpyrazine; Isobutylthiazole; 2-Isobutylthiazole; Isobutyraldehyde; 2-Methylpropanal; Isobutyric acid; 2-Methylpropanoic acid; Isovaleric acid; 3-Methylbutanoic acid; Jasmine lactone; Dec-7-en-5-olide; Limonene; d-Limonene; Linalool; Maltol; Veltol ; Corps praline; 5-Ethyl-3-hydroxy-4-methyl-2(5H)-furanone; Maple furanone; Menthene-8-thiol; Menthone; p-Menthan-3-one; 2-Methoxy-3-isopropylpyrazine; 2-Methoxy-5-isopropylpyrazine; Methoxymethylphenol; 2-Methoxy-4-methylphenol; Creosol; 2-Methoxy-3-sec-butylpyrazine; 2,5 -Methoxy-3-methylpyrazine; 2,6 -Methoxy-3-methylpyrazine; 2-Methoxy-3-methylpyrazine; 5-Methoxy-2-methylpyrazine; Methoxypyrazine; 2-Methoxypyrazine; Methoxyvinylphenol; 2-Methoxy-4-vinylphenol; 4-Vinylguaiacol; Methyl butyrate; Methyl butanoate; Methyl 2-furylmethyl disulfide; Methyl heptanoate; Methyl hexanoate, Methyl caproate; Methyl isobutyrate; Methyl 2-methyl propanoate; Methyl mercaptan; Methyl methylbutyrate; Methyl 2-methylbutyrate; Methyl 3-methylthiopropionate; Methyl octanoate; Methyl caprylate; Methyl 1-propenyl disulfide; Methyl salicylate; Methyl sulfide; Dimethyl sulfide; Methylthiomethane; Methyl valerate; Methyl pentanoate; 4-Methylacetophenone; p-Methylacetophenone; Methylbutyl acetate, 2-Methylbutyl acetate; Methylbutyraldehyde; 2-Methylbutyraldehyde; Methylbutyraldehyde; 3-Methylbutyraldehyde; Isovaleraldehyde; Methylbutyric acid; 2-Methylbutyric acid; Methylcyclopentenolone; Cyclotene; Ketonarome; Corylone; MCP; 2-Methyl-3-(furfurylthio)pyrazine; 2-Methyl-5-(furfurylthio)pyrazine; Methyl heptadienone; 6-Methyl-3,5-heptadien-2-one; Methylheptenol; 6-Methyl-5-hepten-2-ol; Methylheptenone; 6-Methyl-5-hepten-2-one; 2-Methyl-4-propyl-1,3-oxathiane; (+)-cis-2-Methyl-4-propyl-1,3-oxathiane; (-)-cis-2-Methyl-4-propyl-1,3-oxathiane; Methylpyrazine, 2-Methylpyrazine; 4-Methyl-5-thiazoleethanol; Sulfurol; Methylthioacetaldehyde; 2-Methylthioacetaldehyde; Methylthiomethylpyrazine (mixture of isomers); 2-Methylthio-3-methylpyrazine; 5-Methylthio-2-methylpyrazine; Methylthiophencarboxaldehyde; 2-Formyl-5-methylthiophene; Methylthiopropional; 3-(Methylthio)-propanal; Methional; Myrcene; Myristaldehyde; Tetradecanal; Aldehyde C-14 (Myristic); Myristic acid; Tetradecanoic acid; Nerol; Nonadienal;

(E,Z)-2,6-Nonadienal; trans,cis-2,6-Nonadienal; Nonadienal; (E,E)-2,4-Nonadienal; trans,trans-2,4-Nonadienal; Nonanal; Nonyl aldehyde; Aldehyde C-9; Nonanoic acid; Nonanol; 1 -Nonanol; Nonyl alcohol; Alcohol C-9; Nonanone; 2-Nonanone; Methyl heptyl ketone; Nonenal; 2-Nonenal; Nonenal; cis-6-Nonenal; Nootkatone; (+)-Nootkatone (the natural isomer); Nootkatone; (-)-Nootkatone; Octalactone; delta-Octalactone; 5-Octanolide; Octalactone; gamma-Octalactone; 4-octanolide, Octanal; Caprylic aldehyde; Aldehyde C-8; Octanoic acid; Caprylic acid; Octanol; 1-Octanol; Octyl alcohol,- Alcohol C-8; Octanone; 2-Octanone; Octanone; 3-Octanone; Octenal; 2-Octenal; Octenol; 1-Octen-3-ol; Octenone; 1-Octen-3-one; Octyl acetate; Octyl isobutyrate; Octyl 2-methylpropanoate; Palmitic acid; Hexadecanoic acid; Pentadecalactone; omega-Pentadecalactone; 15-Pentadecanolide; Pentanone; 2-Pentanone; Pentenal; 2-Pentenal; Pentenol, 1-Penten-3-ol; Pentenone, 1-Penten-3-one; Ethyl vinyl ketone; Pentenone, 3-Penten-2-one; Pentylfuran; 2-Pentylfuran; Pentylpyridine; 2-Pentylpyridine, Phenethyl alcohol; 2-Phenethyl alcohol; Phenol; Phenylacetaldehyde; Phenylacetic acid; Pinene; alpha-Pinene; Pinene; beta-Pinene; Piperidine; Piperonal; Heliotropine; Propanethiol; 1-Propanethiol; n-Propyl mercaptan; Propanol; 1-Propanol; Propyl alcohol; Propenyl propyl disulfide; Propyl propenyl disulfide; Propenylguaethol; 2-Ethoxy-5-propenylphenol; Propionaldehyde; Propanal; Propionic acid; Propanoic acid; Propyl butyrate; Propyl butanoate; Propyl propionate; Propyl propanoate; Pyrazinyl methyl sulfide; 2-(Methylthiomethyl)-pyrazine; Pyridine; Pyrrole; Pyrrolidine; Quinoline; Raspberry Ketone; 4-(p-Hydroxyphenyl)-2-butanone; Oxanone, Rose oxide; 4-Methyl-2-(2-methylpropen-1-yl)-tetrahydropyran; Sinensal; alpha-Sinensal; Sotolon; Caramel furanone; Stearic acid; Octadecanoic acid; Strawberry furanone; 4,5-Dimethyl-3-hydroxy-2(5H)-furanone; Styrene; Vinylbenzene; Terpeneol; alpha-Terpeneol; p-Menth-1-en-8-ol; Terpinolene; p-Menth-1,4(8)-diene; Tetramethylpyrazine, 2,3,5,6-Tetramethylpyrazine; Thiamine hydrochloride; Thymol, 5-Methyl-2-isopropylphenol; Trimethylamine; 2,2,6-Trimethylcyclohexanone; Trimethyloxazoline; 2,4,5-Trimethyl-3-oxazoline; Trimethyl pyrazine; 2,3,5-Trimethylpyrazine, Trimethylthiazole; 2,4,5-Trimethylthiazole; Undecalactone; delta-Undecalactone; 5-Undecanolide; Undecanal; Aldehyde C-11 (undecylic); Undecanoic acid; Undecylic acid; Unclecanone; 2-Undecanone; Methyl nonyl ketone; Valeraldehyde; Pentanal; Valeric acid; Pentanoic acid; Vanillin, 4-Hydroxy-3-methoxybenzaldehyde; Vinylphenol; and 4-Vinylphenol.

Claim 6. (Currently Amended). The method of Claim 1, where the plurality of different chemical entities comprises at least three chemical entities ~~selected from compounds listed in Table 1.~~ selected from the group consisting of: Acetaldehyde; Ethanal; Acetic aldehyde; Acetic acid; Ethanoic acid; Acetoin; 3-Hydroxy-2-butanone; Acetone; 2-Propanone; Propan-2-one; Dimethyl ketone; Acetophenone; Methyl phenyl ketone; Acetylpyrazine; 2-Acetylpyrazine; Acetylpyridine; 2-Acetylpyridine; Acetylpyrrole; 2-Acetylpyrrole; Methyl pyrrolyl ketone; Acetylthiazole; 2-Acetylthiazole; Allyl sulfide; Diallyl sulfide; Ambrox® ((+)-Ambrox isomer); Ambrox® ((-)-Ambrox isomer); Ambroxan; Ambrox® (DL-Ambrox isomer); Synambran; Amyl alcohol; 1-Pentanol; Pentyl alcohol; Amyl butyrate; n-Pentyl butanoate; Amyl butanoate; Anisole; Methoxybenzene; Benzaldehyde; Benzenethiol; Thiophenol; Phenyl mercaptan; Benzothiazole; Benzyl alcohol; Bornyl acetate; Butanethiol; 1-Butanethiol; Butanone; 2-Butanone; Methyl ethyl ketone; Butyl acetate; n-Butyl acetate; Butyl alcohol; Butanol; 1-Butanol; n-Butanol; Butyl butyrate; Butyl butanoate; Butyl hexanoate; Butyl caproate; Butyl isobutyrate; n-Butyl 2-methylpropanoate; Butyl methylbutyrate; n-Butyl 2-methylbutyrate; Butyl propionate; n-Butyl propanoate; Butylamine; 1-Aminobutane; Butyraldehyde; Butanal; n-Butanal; Butyric acid; n-Butanoic acid; Carvone; (-)-carvone Caryophyllene;  $\beta$ -Caryophyllene; Citral (Geranial isomer); Citral (Neral isomer); Citronellol ((+)-Citronellol isomer); Cresol; 2-Methylphenol; o-Cresol; Cresol; 3-Methylphenol; m-Cresol; Cresol; 4-methylphenol; p-Cresol; Cyclocitral ( $\beta$ -Cyclocitral isomer); Damascenone;  $\beta$ - Damascenone; Damascone;  $\alpha$ - Damascone; Damascone ((+)- $\alpha$ -Damascone isomer); Damascone ((-)- $\alpha$ -Damascone isomer); Decadienal; trans,trans-2,4-Decadienal; Decalactone;  $\gamma$ -Decalactone; 4-Decanolide; Decalactone; delta-Decalactone; 5-Decanolide; Decanal; Aldehyde C-10; Decyl aldehyde; Decanoic acid; Capric acid; Decenal; 2-Decenal; (E)-2-Decenal; Diacetyl; 2,3-dioxobutane; Dimethoxyphenol; 2,6-Dimethoxyphenol; Syringol; Dimethyl disulfide; Methyl disulfide; Dimethyl trisulfide; Methyl trisulfide; 3,4-Dimethyl-1,2-cyclopentanedione; 3,5-Dimethyl-1,2-cyclopentanedione; 2,5-Dimethyl-4-methoxy-3(2H)-furanone; Dimethylpyrazine; 2,3-Dimethylpyrazine; Dimethylpyrazine; 2,5-Dimethylpyrazine; Dimethylpyrazine; 2,6-Dimethylpyrazine; Dimethylthiazole; 4,5-Dimethylthiazole; Dimethyltrithiolane; 3,5-Dimethyl-1,2,4-trithiolane; Dodecalactone;  $\gamma$ -Dodecalactone; 4-Dodecanolide; Dodecalactone; delta- Dodecalactone; 5-

Dodecanolide; Dodecanal; Lauric aldehyde; Aldehyde C-12; Dodecyl aldehyde; Dodecanoic acid, Lauric acid; Ethoxymethylpyrazine; 2-Ethoxy-3-methylpyrazine; Ethyl acetate; Ethyl acetoacetate; Acetoacetic acid, ethyl ester; Ethyl acrylate; Ethyl alcohol; Ethyl benzoate; Ethyl butyrate; Ethyl butanoate; Ethyl cinnamate; Ethyl heptanoate; Ethyl hexanoate; Ethyl caproate; Ethyl isobutyrate; Ethyl 2-methylpropanoate; Ethyl lactate; Ethyl methylbutyrate; Ethyl 2-methylbutyrate; Ethyl 3-methylthiopropionate; Ethyl palmitate; Ethyl hexadecanoate; Ethyl cetylrate; Ethyl phenylacetate; Ethyl propionate; Ethyl propanoate; Ethyl valerate; Ethyl pentanoate; Ethyl vanillin; 3-Ethoxy-4-hydroxybenzaldehyde; Ethavan; 2-Ethyl-3,5-dimethylpyrazine; 2-Ethyl-3,6-dimethylpyrazine; Ethyldimethylpyrazine; 3-Ethyl-2,6-dimethylpyrazine; Ethylguaiacol; 4-Ethylguaiacol; 4-Ethyl-2-methoxyphenol; Ethylhexanol; 2-Ethyl-1-hexanol; 2-Ethylhexan-1-ol; Ethylhydroxymethylfuranone; 2-Ethyl-4-hydroxy-5-methyl-3(2H)furanone; Ethyl methoxypyrazine; 2-Ethyl-3-methoxypyrazine; Ethyl methylpyrazine; 2-Ethyl-5-methylpyrazine; Ethyl methylpyrazine; 3-Ethyl-2-methylpyrazine; Ethyl methylpyridine; 5-Ethyl-2-methylpyridine; Ethylpyrazine; 2-Ethylpyrazine; Eucalyptol; Cineole; 1,8-Cineole; 1,8-epoxy-p-menthane; Eugenol; 4-Allyl-2-methoxyphenol; Eugenyl methyl ether; Methyl eugenol; Methyl eugenol ether; Farnesol; Formic acid; Furfural; Furfuryl alcohol; Furfuryl mercaptan; Furyl methyl ketone; 2-Furyl methyl ketone; 2-Acetylfuran; Geraniol; trans-3,7-Dimethyl-2,7-octadien-ol; Geranyl acetate; Geranyl acetone; 6,10-Dimethyl-5,9-undecadien-2-one; Geranyl isobutyrate; Geranyl 2-methylpropanoate; Geranyl propionate; Geranyl propanoate; Glycerol; Glycerin; Glycine; Aminoacetic acid; Guaiacol; o-Methoxyphenol; o-Hydroxyanisole, Heptalactone; gamma-Heptalactone; 4-heptanolide; Heptanal; Aldehyde C-7; Heptaldehyde; Heptyl aldehyde; Heptanoic acid; Heptanone; 2-Heptanone; Methyl amyl ketone; Heptenal, 4-Heptenal (cis and trans); Heptenal; trans-2-Heptenal; Heptenal; (E)-4-Heptenal; trans-4-Heptenal; Heptenal; (Z)-4-Heptenal; cis-4-Heptenal; Heptenone; 3-Hepten-2-one; (E)-3-Hepten-2-one; Heptyl alcohol; 1-Heptanol; n-Heptanol; Alcohol C-7; Heptyl isobutyrate; Heptyl 2-methylpropanoate; Hexadienal; (E,E)-2,4-Hexadienal; trans,trans-2,4-Hexadienal; Hexalactone; gamma-Hexalactone; 4-Hexanolide; Hexan-4-olide; Hexanal; Aldehyde C-6; Caproic aldehyde; Hexanoic acid; Caproic acid; Hexanol; 1-Hexanol; Hexyl alcohol; Caproic alcohol; Alcohol C-6; Hexenal; 2-hexenal; Hex-2-enal; (E)-2-hexenal; Hexenal; cis-3-Hexenal; (Z)-3-hexenal; Hexenol; 3-Hexen-1-ol; cis-3-Hexenol;(Z)-3-Hexenol; Hexyl acetate; Hexyl butyrate; Hexyl

butanoate; Hexyl isobutyrate; Hexyl 2-methylpropanoate; Hexyl methylbutanoate; Hexyl 2-methylbutanoate; Hexyl propionate; Hexyl propanoate; Hydroxydecadienoic acid lactone; 6-Pentyl-alpha-pyrone, Hydroxydihydrotheaspirane; 6-Hydroxydihydrotheaspirane; Indole; Ionone; alpha-Ionone; Ionone; beta-Ionone; Isoamyl acetate; 3-Methylbutyl acetate; Isoamyl alcohol, 3-Methyl-1-butanol; Isopentyl alcohol; Isobutyl acetate; Isobutyl alcohol; 2-Methyl-1-propanol; Isobutyl isobutyrate; 2-Methylpropyl 2-methylpropanoate; Isobutyrimethoxypyrazine; 2-Isobutyl-3-methoxypyrazine; Isobutylmethylpyrazine; 2-Isobutyl-3-methylpyrazine; Isobutylthiazole; 2-Isobutylthiazole; Isobutyraldehyde; 2-Methylpropanal; Isobutyric acid; 2-Methylpropanoic acid; Isovaleric acid; 3-Methylbutanoic acid; Jasmine lactone; Dec-7-en-5-olide; Limonene; d-Limonene; Linalool; Maltol; Veltol ; Corps praline; 5-Ethyl-3-hydroxy-4-methyl-2(5H)-furanone; Maple furanone; Menthene-8-thiol; Menthone; p-Menthan-3-one; 2-Methoxy-3-isopropylpyrazine; 2-Methoxy-5-isopropylpyrazine; Methoxymethylphenol; 2-Methoxy-4-methylphenol; Creosol; 2-Methoxy-3-sec-butylpyrazine; 2,5 -Methoxy-3-methylpyrazine; 2,6 -Methoxy-3-methylpyrazine; 2-Methoxy-3-methylpyrazine; 5-Methoxy-2-methylpyrazine; Methoxypyrazine; 2-Methoxypyrazine; Methoxyvinylphenol; 2-Methoxy-4-vinylphenol; 4-Vinylguaiacol; Methyl butyrate; Methyl butanoate; Methyl 2-furylmethyl disulfide; Methyl heptanoate; Methyl hexanoate, Methyl caproate; Methyl isobutyrate; Methyl 2-methyl propanoate; Methyl mercaptan; Methyl methylbutyrate; Methyl 2-methylbutyrate; Methyl 3-methylthiopropionate; Methyl octanoate; Methyl caprylate; Methyl 1-propenyl disulfide; Methyl salicylate; Methyl sulfide; Dimethyl sulfide; Methylthiomethane; Methyl valerate; Methyl pentanoate; 4-Methylacetophenone; p-Methylacetophenone; Methylbutyl acetate, 2-Methylbutyl acetate; Methylbutyraldehyde; 2-Methylbutyraldehyde; Methylbutyraldehyde; 3-Methylbutyraldehyde; Isovaleraldehyde; Methylbutyric acid; 2-Methylbutyric acid; Methylcyclopentenolone; Cyclotene; Ketonarome; Corylone; MCP; 2-Methyl-3-(furfurylthio)pyrazine; 2-Methyl-5-(furfurylthio)pyrazine; Methyl heptadienone; 6-Methyl-3,5-heptadien-2-one; Methylheptenol; 6-Methyl-5-hepten-2-ol; Methylheptenone; 6-Methyl-5-hepten-2-one; 2-Methyl-4-propyl-1,3-oxathiane; (+)-cis-2-Methyl-4-propyl-1,3-oxathiane; (-)-cis-2-Methyl-4-propyl-1,3-oxathiane; Methylpyrazine, 2-Methylpyrazine; 4-Methyl-5-thiazoleethanol; Sulfurol; Methylthioacetaldehyde; 2-Methylthioacetaldehyde; Methylthiomethylpyrazine (mixture of isomers); 2-Methylthio-3-methylpyrazine; 5-Methylthio-



2-methylpyrazine; Methylthiophencarboxaldehyde; 2-Formyl-5-methylthiophene;  
Methylthiopropenal; 3-(Methylthio)-propanal; Methional; Myrcene; Myristaldehyde;  
Tetradecanal; Aldehyde C-14 (Myristic); Myristic acid; Tetradecanoic acid; Nerol; Nonadienal;  
(E,Z)-2,6-Nonadienal; trans,cis-2,6-Nonadienal; Nonadienal; (E,E)-2,4-Nonadienal; trans,trans-  
2,4-Nonadienal; Nonanal; Nonyl aldehyde; Aldehyde C-9; Nonanoic acid; Nonanol; 1 -Nonanol;  
Nonyl alcohol; Alcohol C-9; Nonanone; 2-Nonanone; Methyl heptyl ketone; Nonenal; 2-  
Nonenal; Nonenal; cis-6-Nonenal; Nootkatone; (+)-Nootkatone (the natural isomer);  
Nootkatone; (-)-Nootkatone; Octalactone; delta-Octalactone; 5-Octanolide; Octalactone; gamma-  
Octalactone; 4-octanolide, Octanal; Caprylic aldehyde; Aldehyde C-8; Octanoic acid; Caprylic  
acid; Octanol; 1-Octanol; Octyl alcohol,- Alcohol C-8; Octanone; 2-Octanone; Octanone; 3-  
Octanone; Octenal; 2-Octenal; Octenol; 1-Octen-3-ol; Octenone; 1-Octen-3-one; Octyl acetate;  
Octyl isobutyrate; Octyl 2-methylpropanoate; Palmitic acid; Hexadecanoic acid;  
Pentadecalactone; omega-Pentadecalactone; 15-Pentadecanolide; Pentanone; 2-Pentanone;  
Pental; 2-Pental; Pentenol, 1-Penten-3-ol; Pentenone, 1-Penten-3-one; Ethyl vinyl ketone;  
Pentenone, 3-Penten-2-one; Pentylfuran; 2-Pentylfuran; Pentylpyridine; 2-Pentylpyridine,  
Phenethyl alcohol; 2-Phenethyl alcohol; Phenol; Phenylacetaldehyde; Phenylacetic acid; Pinene;  
alpha-Pinene; Pinene; beta-Pinene; Piperidine; Piperonal; Heliotropine; Propanethiol; 1-  
Propanethiol; n-Propyl mercaptan; Propanol; 1-Propanol; Propyl alcohol; Propenyl propyl  
disulfide; Propyl propenyl disulfide; Propenylguaethol; 2-Ethoxy-5-propenylphenol;  
Propionaldehyde; Propanal; Propionic acid; Propanoic acid; Propyl butyrate; Propyl butanoate;  
Propyl propionate; Propyl propanoate; Pyrazinyl methyl sulfide; 2-(Methylthiomethyl)-pyrazine;  
Pyridine; Pyrrole; Pyrrolidine; Quinoline; Raspberry Ketone; 4-(p-Hydroxyphenyl)-2-butanone;  
Oxanone, Rose oxide; 4-Methyl-2-(2-methylpropen-1-yl)-tetrahydropyran; Sinensal; alpha-  
Sinensal; Sotolon; Caramel furanone; Stearic acid; Octadecanoic acid; Strawberry furanone; 4,5-  
Dimethyl-3-hydroxy-2(5H)-furanone; Styrene; Vinylbenzene; Terpeneol; alpha-Terpeneol; p-  
Menth-1-en-8-ol; Terpinolene; p-Menth-1,4(8)-diene; Tetramethylpyrazine, 2,3,5,6-  
Tetramethylpyrazine; Thiamine hydrochloride; Thymol, 5-Methyl-2-isopropylphenol;  
Trimethylamine; 2,2,6-Trimethylcyclohexanone; Trimethyloxazoline; 2,4,5-Trimethyl-3-  
oxazoline; Trimethyl pyrazine; 2,3,5-Trimethylpyrazine, Trimethylthiazole; 2,4,5-  
Trimethylthiazole; Undecalactone; delta-Undecalactone; 5-Undecanolide; Undecanal; Aldehyde

C-11 (undecylic); Undecanoic acid; Undecylic acid; Undecanone; 2-Undecanone; Methyl nonyl ketone; Valeraldehyde; Pentanal; Valeric acid; Pentanoic acid; Vanillin, 4-Hydroxy-3-methoxybenzaldehyde; Vinylphenol; and 4-Vinylphenol.

Claim 7. (Original). A composition for enhancing the fragrance of a plant, the composition comprising at least a first chemical entity and a second chemical entity, the first and second chemical entities having different chemical structures; wherein the ratio of the concentration of the first chemical entity to the second chemical entity is substantially the same as that emitted from the plant.

Claim 8. (Currently Amended). The composition of Claim 7, wherein the composition comprises at least three chemical entities selected from ~~compounds listed in Table 1.~~ the group consisting of: Acetaldehyde; Ethanal; Acetic aldehyde; Acetic acid; Ethanoic acid; Acetoin; 3-Hydroxy-2-butanone; Acetone; 2-Propanone; Propan-2-one; Dimethyl ketone; Acetophenone; Methyl phenyl ketone; Acetylpyrazine; 2-Acetylpyrazine; Acetylpyridine; 2-Acetylpyridine; Acetylpyrrole; 2-Acetylpyrrole; Methyl pyrrolyl ketone; Acetylthiazole; 2-Acetylthiazole; Allyl sulfide; Diallyl sulfide; Ambrox® ((+)-Ambrox isomer); Ambrox® ((-)-Ambrox isomer); Ambroxan; Ambrox® (DL-Ambrox isomer); Synambran; Amyl alcohol; 1-Pentanol; Pentyl alcohol; Amyl butyrate; n-Pentyl butanoate; Amyl butanoate; Anisole; Methoxybenzene; Benzaldehyde; Benzenethiol; Thiophenol; Phenyl mercaptan; Benzothiazole; Benzyl alcohol; Bornyl acetate; Butanethiol; 1-Butanethiol; Butanone; 2-Butanone; Methyl ethyl ketone; Butyl acetate; n-Butyl acetate; Butyl alcohol; Butanol; 1-Butanol; n-Butanol; Butyl butyrate; Butyl butanoate; Butyl hexanoate; Butyl caproate; Butyl isobutyrate; n-Butyl 2-methylpropanoate; Butyl methylbutyrate; n-Butyl 2-methylbutyrate; Butyl propionate; n-Butyl propanoate; Butylamine; 1-Aminobutane; Butyraldehyde; Butanal; n-Butanal; Butyric acid; n-Butanoic acid; Carvone; (-)-carvone Caryophyllene;  $\beta$ -Caryophyllene; Citral (Geranial isomer); Citral (Neral isomer); Citronellol ((+)-Citronellol isomer); Cresol; 2-Methylphenol; o-Cresol; Cresol; 3-Methylphenol; m-Cresol; Cresol; 4-methylphenol; p-Cresol; Cyclocitral ( $\beta$ -Cyclocitral isomer); Damasconone;  $\beta$ - Damasconone; Damascone;  $\alpha$ - Damascone; Damascone ((+)- $\alpha$ -Damascone isomer); Damascone ((-)- $\alpha$ -Damascone isomer); Decadienal; trans,trans-2,4-Decadienal;

Decalactone;  $\gamma$ -Decalactone; 4-Decanolide; Decalactone; delta-Decalactone; 5-Decanolide; Decanal; Aldehyde C-10; Decyl aldehyde; Decanoic acid; Capric acid; Decenal; 2-Decenal; (E)-2-Decenal; Diacetyl; 2,3-dioxobutane; Dimethoxyphenol; 2,6-Dimethoxyphenol; Syringol; Dimethyl disulfide; Methyl disulfide; Dimethyl trisulfide; Methyl trisulfide; 3,4-Dimethyl-1,2-cyclopentanedione; 3,5-Dimethyl-1,2-cyclopentanedione; 2,5-Dimethyl-4-methoxy-3(2H)-furanone; Dimethylpyrazine; 2,3-Dimethylpyrazine; Dimethylpyrazine; 2,5-Dimethylpyrazine; Dimethylpyrazine; 2,6-Dimethylpyrazine; Dimethylthiazole; 4,5-Dimethylthiazole; Dimethyltrithiolane; 3,5-Dimethyl-1,2,4-trithiolane; Dodecalactone;  $\gamma$ -Dodecalactone; 4-Dodecanolide; Dodecalactone; delta- Dodecalactone; 5-Dodecanolide; Dodecanal; Lauric aldehyde; Aldehyde C-12; Dodecyl aldehyde; Dodecanoic acid, Lauric acid; Ethoxymethylpyrazine; 2-Ethoxy-3-methylpyrazine; Ethyl acetate; Ethyl acetoacetate; Acetoacetic acid, ethyl ester; Ethyl acrylate; Ethyl alcohol; Ethyl benzoate; Ethyl butyrate; Ethyl butanoate; Ethyl cinnamate; Ethyl heptanoate; Ethyl hexanoate; Ethyl caproate; Ethyl isobutyrate; Ethyl 2-methylpropanoate; Ethyl lactate; Ethyl methylbutyrate; Ethyl 2-methylbutyrate; Ethyl 3-methylthiopropionate; Ethyl palmitate; Ethyl hexadecanoate; Ethyl cetylrate; Ethyl phenylacetate; Ethyl propionate; Ethyl propanoate; Ethyl valerate; Ethyl pentanoate; Ethyl vanillin; 3-Ethoxy-4-hydroxybenzaldehyde; Ethavan; 2-Ethyl-3,5-dimethylpyrazine; 2-Ethyl-3,6-dimethylpyrazine; Ethyldimethylpyrazine; 3-Ethyl-2,6-dimethylpyrazine; Ethylguaiacol; 4-Ethylguaiacol; 4-Ethyl-2-methoxyphenol; Ethylhexanol; 2-Ethyl-1-hexanol; 2-Ethylhexan-1-ol; Ethylhydroxymethylfuranone; 2-Ethyl-4-hydroxy-5-methyl-3(2H)furanone; Ethyl methoxypyrazine; 2-Ethyl-3-methoxypyrazine; Ethyl methylpyrazine; 2-Ethyl-5-methylpyrazine; Ethyl methylpyrazine; 3-Ethyl-2-methylpyrazine; Ethyl methylpyridine; 5-Ethyl-2-methylpyridine; Ethylpyrazine; 2-Ethylpyrazine; Eucalyptol; Cineole; 1,8-Cineole; 1,8-epoxy-p-menthane; Eugenol; 4-Allyl-2-methoxyphenol; Eugenyl methyl ether; Methyl eugenol; Methyl eugenol ether; Farnesol; Formic acid; Furfural; Furfuryl alcohol; Furfuryl mercaptan; Furyl methyl ketone; 2-Furyl methyl ketone; 2-Acetylfuran; Geraniol; trans-3,7-Dimethyl-2,7-octadien-ol; Geranyl acetate; Geranyl acetone; 6,10-Dimethyl-5,9-undecadien-2-one; Geranyl isobutyrate; Geranyl 2-methylpropanoate; Geranyl propionate; Geranyl propanoate; Glycerol; Glycerin; Glycine; Aminoacetic acid; Guaiacol; o-Methoxyphenol; o-Hydroxyanisole; Heptalactone; gamma-Heptalactone; 4-heptanolide; Heptanal; Aldehyde C-7; Heptaldehyde;

Heptyl aldehyde; Heptanoic acid; Heptanone; 2-Heptanone; Methyl amyl ketone; Heptenal, 4-Heptenal (cis and trans); Heptenal; trans-2-Heptenal; Heptenal; (E)-4-Heptenal; trans-4-Heptenal; Heptenal; (Z)-4-Heptenal; cis-4-Heptenal; Heptenone; 3-Hepten-2-one; (E)-3-Hepten-2-one; Heptyl alcohol; 1-Heptanol; n-Heptanol; Alcohol C-7; Heptyl isobutyrate; Heptyl 2-methylpropanoate; Hexadienal; (E,E)-2,4-Hexadienal; trans,trans-2,4-Hexadienal; Hexalactone; gamma-Hexalactone; 4-Hexanolide; Hexan-4-olide; Hexanal; Aldehyde C-6; Caproic aldehyde; Hexanoic acid; Caproic acid; Hexanol; 1-Hexanol; Hexyl alcohol; Caproic alcohol; Alcohol C-6; Hexenal; 2-hexenal; Hex-2-enal; (E)-2-hexenal; Hexenal; cis-3-Hexenal; (Z)-3-hexenal; Hexenol; 3-Hexen-1-ol; cis-3-Hexenol;(Z)-3-Hexenol; Hexyl acetate; Hexyl butyrate; Hexyl butanoate; Hexyl isobutyrate; Hexyl 2-methylpropanoate; Hexyl methylbutanoate; Hexyl 2-methylbutanoate; Hexyl propionate; Hexyl propanoate; Hydroxydecadienoic acid lactone; 6-Pentyl-alpha-pyrone, Hydroxydihydrotheaspirane; 6-Hydroxydihydrotheaspirane; Indole; Ionone; alpha-Ionone; Ionone; beta-Ionone; Isoamyl acetate; 3-Methylbutyl acetate; Isoamyl alcohol, 3-Methyl-1-butanol; Isopentyl alcohol; Isobutyl acetate; Isobutyl alcohol; 2-Methyl- 1-propanol; Isobutyl isobutyrate; 2-Methylpropyl 2-methylpropanoate; Isobutyrimethoxypyrazine; 2-Isobutyl-3-methoxypyrazine; Isobutylmethylpyrazine; 2-Isobutyl-3-methylpyrazine; Isobutylthiazole; 2-Isobutylthiazole; Isobutyraldehyde; 2-Methylpropanal; Isobutyric acid; 2-Methylpropanoic acid; Isovaleric acid; 3-Methylbutanoic acid; Jasmine lactone; Dec-7-en-5-olide; Limonene; d-Limonene; Linalool; Maltol; Veltol ; Corps praline; 5-Ethyl-3-hydroxy-4-methyl-2(5H)-furanone; Maple furanone; Menthene-8-thiol; Menthone; p-Menthan-3-one; 2-Methoxy-3-isopropylpyrazine; 2-Methoxy-5-isopropylpyrazine; Methoxymethylphenol; 2-Methoxy-4-methylphenol; Creosol; 2-Methoxy-3-sec-butylpyrazine; 2,5 -Methoxy-3-methylpyrazine; 2,6 -Methoxy-3-methylpyrazine; 2-Methoxy-3-methylpyrazine; 5-Methoxy-2-methylpyrazine; Methoxypyrazine; 2-Methoxypyrazine; Methoxyvinylphenol; 2-Methoxy-4-vinylphenol; 4-Vinylguaiaacol; Methyl butyrate; Methyl butanoate; Methyl 2-furylmethyl disulfide; Methyl heptanoate; Methyl hexanoate, Methyl caproate; Methyl isobutyrate; Methyl 2-methyl propanoate; Methyl mercaptan; Methyl methylbutyrate; Methyl 2-methylbutyrate; Methyl 3-methylthiopropionate; Methyl octanoate; Methyl caprylate; Methyl 1-propenyl disulfide; Methyl salicylate; Methyl sulfide; Dimethyl sulfide; Methylthiomethane; Methyl valerate; Methyl pentanoate; 4-Methylacetophenone; p-Methylacetophenone;

Methylbutyl acetate, 2-Methylbutyl acetate; Methylbutyraldehyde; 2-Methylbutyraldehyde; Methylbutyraldehyde; 3-Methylbutyraldehyde; Isovaleraldehyde; Methylbutyric acid; 2-Methylbutyric acid; Methylcyclopentenolone; Cyclotene; Ketonarome; Corylone; MCP; 2-Methyl-3-(furfurylthio)pyrazine; 2-Methyl-5-(furfurylthio)pyrazine; Methyl heptadienone; 6-Methyl-3,5-heptadien-2-one; Methylheptenol; 6-Methyl-5-hepten-2-ol; Methylheptenone; 6-Methyl-5-hepten-2-one; 2-Methyl-4-propyl-1,3-oxathiane; (+)-cis-2-Methyl-4-propyl-1,3-oxathiane; (-)-cis-2-Methyl-4-propyl-1,3-oxathiane; Methylpyrazine, 2-Methylpyrazine; 4-Methyl-5-thiazoleethanol; Sulfurol; Methylthioacetaldehyde; 2-Methylthioacetaldehyde; Methylthiomethylpyrazine (mixture of isomers); 2-Methylthio-3-methylpyrazine; 5-Methylthio-2-methylpyrazine; Methylthiophencarboxaldehyde; 2-Formyl-5-methylthiophene; Methylthiopropenal; 3-(Methylthio)-propanal; Methional; Myrcene; Myristaldehyde; Tetradecanal; Aldehyde C-14 (Myristic); Myristic acid; Tetradecanoic acid; Nerol; Nonadienal; (E,Z)-2,6-Nonadienal; trans,cis-2,6-Nonadienal; Nonadienal; (E,E)-2,4-Nonadienal; trans,trans-2,4-Nonadienal; Nonanal; Nonyl aldehyde; Aldehyde C-9; Nonanoic acid; Nonanol; 1 -Nonanol; Nonyl alcohol; Alcohol C-9; Nonanone; 2-Nonanone; Methyl heptyl ketone; Nonenal; 2-Nonenal; Nonenal; cis-6-Nonenal; Nootkatone; (+)-Nootkatone (the natural isomer); Nootkatone; (-)-Nootkatone; Octalactone; delta-Octalactone; 5-Octanolide; Octalactone; gamma-Octalactone; 4-octanolide, Octanal; Caprylic aldehyde; Aldehyde C-8; Octanoic acid; Caprylic acid; Octanol; 1-Octanol; Octyl alcohol,- Alcohol C-8; Octanone; 2-Octanone; Octanone; 3-Octanone; Octenal; 2-Octenal; Octenol; 1-Octen-3-ol; Octenone; 1-Octen-3-one; Octyl acetate; Octyl isobutyrate; Octyl 2-methylpropanoate; Palmitic acid; Hexadecanoic acid; Pentadecalactone; omega-Pentadecalactone; 15-Pentadecanolide; Pentanone; 2-Pentanone; Pentenal; 2-Pentenal; Pentenol, 1-Penten-3-ol; Pentenone, 1-Penten-3-one; Ethyl vinyl ketone; Pentenone, 3-Penten-2-one; Pentylfuran; 2-Pentylfuran; Pentylpyridine; 2-Pentylpyridine, Phenethyl alcohol; 2-Phenethyl alcohol; Phenol; Phenylacetaldehyde; Phenylacetic acid; Pinene; alpha-Pinene; Pinene; beta-Pinene; Piperidine; Piperonal; Heliotropine; Propanethiol; 1-Propanethiol; n-Propyl mercaptan; Propanol; 1-Propanol; Propyl alcohol; Propenyl propyl disulfide; Propyl propenyl disulfide; Propenylguaethol; 2-Ethoxy-5-propenylphenol; Propionaldehyde; Propanal; Propionic acid; Propanoic acid; Propyl butyrate; Propyl butanoate; Propyl propionate; Propyl propanoate; Pyrazinyl methyl sulfide; 2-(Methylthiomethyl)-pyrazine;

Pyridine; Pyrrole; Pyrrolidine; Quinoline; Raspberry Ketone; 4-(p-Hydroxyphenyl)-2-butanone; Oxanone, Rose oxide; 4-Methyl-2-(2-methylpropen-1-yl)-tetrahydropyran; Sinensal; alpha-Sinensal; Sotolon; Caramel furanone; Stearic acid; Octadecanoic acid; Strawberry furanone; 4,5-Dimethyl-3-hydroxy-2(5H)-furanone; Styrene; Vinylbenzene; Terpeneol; alpha-Terpeneol; p-Menth-1-en-8-ol; Terpinolene; p-Menth-1,4(8)-diene; Tetramethylpyrazine, 2,3,5,6-Tetramethylpyrazine; Thiamine hydrochloride; Thymol, 5-Methyl-2-isopropylphenol; Trimethylamine; 2,2,6-Trimethylcyclohexanone; Trimethyloxazoline; 2,4,5-Trimethyl-3-oxazoline; Trimethyl pyrazine; 2,3,5-Trimethylpyrazine, Trimethylthiazole; 2,4,5-Trimethylthiazole; Undecalactone; delta-Undecalactone; 5-Undecanolide; Undecanal; Aldehyde C-11 (undecylic); Undecanoic acid; Undecylic acid; Unclecanone; 2-Undecanone; Methyl nonyl ketone; Valeraldehyde; Pentanal; Valeric acid; Pentanoic acid; Vanillin, 4-Hydroxy-3-methoxybenzaldehyde; Vinylphenol; and 4-Vinylphenol.

Claim 9. (Currently Amended). The composition of Claim 7, A composition for enhancing the fragrance of a plant, the composition comprising at least a first chemical entity and a second chemical entity, the first and second chemical entities having different chemical structures; wherein the ratio of the concentration of the first chemical entity to the second chemical entity is substantially the same as that emitted from the plant [[.]] and,  
wherein the composition has a fragrance that substantially mimics a fragrance of a rose and comprises 2-phenylethanol and beta-ionone.

Claim 10. (Original). The composition of Claim 9, wherein the 2-phenylethanol and beta-ionone are present at a molar ratio of about 2200:1.

Claim 11. (Currently Amended). The composition of Claim [[7]] 9, wherein the composition has a fragrance that substantially mimics a fragrance of a petunia, further wherein the composition comprises benzaldehyde, phenylacetaldehyde, methyl benzoate, 2-phenylethanol, caryophyllene, and benzyl benzoate.

Claim 12. (Currently Amended). The composition of Claim [[7]] 9, further comprising a diluent.

Claim 13. (Original). The composition of Claim 12, wherein the diluent comprises water.

Claim 14. (Currently Amended). The composition of Claim 12, wherein the diluent is selected from glycerol, hydroxypropyl beta-cyclodextrin (HPBCD), dimethyl-eta-cyclodextrin (DMCD), and combinations thereof.

Claim 15. (Currently Amended). The composition of Claim [[7]] 9, wherein the composition is encapsulated.

Claim 16. (Original). A method for enhancing the fragrance of an article, the method comprising the step of:

contacting the article with a composition having a scent that substantially mimics a natural fragrance of a plant.

Claim 17. (Original). The method of Claim 16, wherein the composition comprises at least a first chemical entity and a second chemical entity, the first and second chemical entities having different chemical structures; wherein the ratio of the concentration of the first chemical entity to second chemical entity is substantially the same as that emitted from the plant.

Claim 18. (Currently Amended). The method of Claim 17, wherein the first chemical entity and the second chemical entity each comprise a compound selected from ~~compounds listed in Table 1.~~ the group consisting of: Acetaldehyde; Ethanal; Acetic aldehyde; Acetic acid; Ethanoic acid; Acetoin; 3-Hydroxy-2-butanone; Acetone; 2-Propanone; Propan-2-one; Dimethyl ketone; Acetophenone; Methyl phenyl ketone; Acetylpyrazine; 2-Acetylpyrazine; Acetylpyridine; 2-Acetylpyridine; Acetylpyrrole; 2-Acetylpyrrole; Methyl pyrrolyl ketone; Acetylthiazole; 2-Acetylthiazole; Allyl sulfide; Diallyl sulfide; Ambrox® ((+)-Ambrox isomer);

Ambrox® ((-)-Ambrox isomer); Ambroxan; Ambrox® (DL-Ambrox isomer); Synambran; Amyl alcohol; 1-Pentanol; Pentyl alcohol; Amyl butyrate; n-Pentyl butanoate; Amyl butanoate; Anisole; Methoxybenzene; Benzaldehyde; Benzenethiol; Thiophenol; Phenyl mercaptan; Benzothiazole; Benzyl alcohol; Bornyl acetate; Butanethiol; 1-Butanethiol; Butanone; 2-Butanone; Methyl ethyl ketone; Butyl acetate; n-Butyl acetate; Butyl alcohol; Butanol; 1-Butanol; n-Butanol; Butyl butyrate; Butyl butanoate; Butyl hexanoate; Butyl caproate; Butyl isobutyrate; n-Butyl 2-methylpropanoate; Butyl methylbutyrate; n-Butyl 2-methylbutyrate; Butyl propionate; n-Butyl propanoate; Butylamine; 1-Aminobutane; Butyraldehyde; Butanal; n-Butanal; Butyric acid; n-Butanoic acid; Carvone; (-)-carvone Caryophyllene;  $\beta$ -Caryophyllene; Citral (Geranial isomer); Citral (Neral isomer); Citronellol ((+)-Citronellol isomer); Cresol; 2-Methylphenol; o-Cresol; Cresol; 3-Methylphenol; m-Cresol; Cresol; 4-methylphenol; p-Cresol; Cyclocitral ( $\beta$ -Cyclocitral isomer); Damascenone;  $\beta$ - Damascenone; Damascone;  $\alpha$ - Damascone; Damascone ((+)- $\alpha$ -Damascone isomer); Damascone ((-)- $\alpha$ -Damascone isomer); Decadienal; trans,trans-2,4-Decadienal; Decalactone;  $\gamma$ -Decalactone; 4-Decanolide; Decalactone; delta-Decalactone; 5-Decanolide; Decanal; Aldehyde C-10; Decyl aldehyde; Decanoic acid; Capric acid; Decenal; 2-Decenal; (E)-2-Decenal; Diacetyl; 2,3-dioxobutane; Dimethoxyphenol; 2,6-Dimethoxyphenol; Syringol; Dimethyl disulfide; Methyl disulfide; Dimethyl trisulfide; Methyl trisulfide; 3,4-Dimethyl-1,2-cyclopentanedione; 3,5-Dimethyl-1,2-cyclopentanedione; 2,5-Dimethyl-4-methoxy-3(2H)-furanone; Dimethylpyrazine; 2,3-Dimethylpyrazine; Dimethylpyrazine; 2,5-Dimethylpyrazine; Dimethylpyrazine; 2,6-Dimethylpyrazine; Dimethylthiazole; 4,5-Dimethylthiazole; Dimethyltrithiolane; 3,5-Dimethyl-1,2,4-trithiolane; Dodecalactone;  $\gamma$ -Dodecalactone; 4-Dodecanolide; Dodecalactone; delta- Dodecalactone; 5-Dodecanolide; Dodecanal; Lauric aldehyde; Aldehyde C-12; Dodecyl aldehyde; Dodecanoic acid, Lauric acid; Ethoxymethylpyrazine; 2-Ethoxy-3-methylpyrazine; Ethyl acetate; Ethyl acetoacetate; Acetoacetic acid, ethyl ester; Ethyl acrylate; Ethyl alcohol; Ethyl benzoate; Ethyl butyrate; Ethyl butanoate; Ethyl cinnamate; Ethyl heptanoate; Ethyl hexanoate; Ethyl caproate; Ethyl isobutyrate; Ethyl 2-methylpropanoate; Ethyl lactate; Ethyl methylbutyrate; Ethyl 2-methylbutyrate; Ethyl 3-methylthiopropionate; Ethyl palmitate; Ethyl hexadecanoate; Ethyl cetylrate; Ethyl phenylacetate; Ethyl propionate; Ethyl propanoate; Ethyl valerate; Ethyl pentanoate; Ethyl vanillin; 3-Ethoxy-4-hydroxybenzaldehyde; Ethavan; 2-Ethyl-3,5-



dimethylpyrazine; 2-Ethyl-3,6-dimethylpyrazine; Ethyldimethylpyrazine; 3-Ethyl-2,6-  
dimethylpyrazine; Ethylguaiacol; 4-Ethylguaiacol; 4-Ethyl-2-methoxyphenol; Ethylhexanol; 2-  
Ethyl-1-hexanol; 2-Ethylhexan-1-ol; Ethylhydroxymethylfuranone; 2-Ethyl-4-hydroxy-5-methyl-  
3(2H)furanone; Ethyl methoxypyrazine; 2-Ethyl-3-methoxypyrazine; Ethyl methylpyrazine; 2-  
Ethyl-5-methylpyrazine; Ethyl methylpyrazine; 3-Ethyl-2-methylpyrazine; Ethyl methylpyridine;  
5-Ethyl-2-methylpyridine; Ethylpyrazine; 2-Ethylpyrazine; Eucalyptol; Cineole; 1,8-Cineole;  
1,8-epoxy-p-menthane; Eugenol; 4-Allyl-2-methoxyphenol; Eugenyl methyl ether; Methyl  
eugenol; Methyl eugenol ether; Farnesol; Formic acid; Furfural; Furfuryl alcohol; Furfuryl  
mercaptan; Furyl methyl ketone; 2-Furyl methyl ketone; 2-Acetylfuran; Geraniol; trans-3,7-  
Dimethyl-2,7-octadien-ol; Geranyl acetate; Geranyl acetone; 6,10-Dimethyl-5,9-undecadien-2-  
one; Geranyl isobutyrate; Geranyl 2-methylpropanoate; Geranyl propionate; Geranyl propanoate;  
Glycerol; Glycerin; Glycine; Aminoacetic acid; Guaiacol; o-Methoxyphenol; o-Hydroxyanisole,  
Heptalactone; gamma-Heptalactone; 4-heptanolide; Heptanal; Aldehyde C-7; Heptaldehyde;  
Heptyl aldehyde; Heptanoic acid; Heptanone; 2-Heptanone; Methyl amyl ketone; Heptenal, 4-  
Heptenal (cis and trans); Heptenal; trans-2-Heptenal; Heptenal; (E)-4-Heptenal; trans-4-  
Heptenal; Heptenal; (Z)-4-Heptenal; cis-4-Heptenal; Heptenone; 3-Hepten-2-one; (E)-3-Hepten-  
2-one; Heptyl alcohol; 1-Heptanol; n-Heptanol; Alcohol C-7; Heptyl isobutyrate; Heptyl 2-  
methylpropanoate; Hexadienal; (E,E)-2,4-Hexadienal; trans,trans-2,4-Hexadienal; Hexalactone;  
gamma-Hexalactone; 4-Hexanolide; Hexan-4-olide; Hexanal; Aldehyde C-6; Caproic aldehyde;  
Hexanoic acid; Caproic acid; Hexanol; 1-Hexanol; Hexyl alcohol; Caproic alcohol; Alcohol C-6;  
Hexenal; 2-hexenal; Hex-2-enal; (E)-2-hexenal; Hexenal; cis-3-Hexenal; (Z)-3-hexenal;  
Hexenol; 3-Hexen-1-ol; cis-3-Hexenol;(Z)-3-Hexenol; Hexyl acetate; Hexyl butyrate; Hexyl  
butanoate; Hexyl isobutyrate; Hexyl 2-methylpropanoate; Hexyl methylbutanoate; Hexyl 2-  
methylbutanoate; Hexyl propionate; Hexyl propanoate; Hydroxydecadienoic acid lactone; 6-  
Pentyl-alpha-pyrone, Hydroxydihydrotheaspirane; 6-Hydroxydihydrotheaspirane; Indole;  
Ionone; alpha-Ionone; Ionone; beta-Ionone; Isoamyl acetate; 3-Methylbutyl acetate; Isoamyl  
alcohol, 3-Methyl-1-butanol; Isopentyl alcohol; Isobutyl acetate; Isobutyl alcohol; 2-Methyl- I -  
propanol; Isobutyl isobutyrate; 2-Methylpropyl 2-methylpropanoate; Isobutyrimethoxypyrazine;  
2-Isobutyl-3-methoxypyrazine; Isobutylmethylpyrazine; 2-Isobutyl-3-methylpyrazine;  
Isobutylthiazole; 2-Isobutylthiazole; Isobutyraldehyde; 2-Methylpropanal; Isobutyric acid; 2-

Methylpropanoic acid; Isovaleric acid; 3-Methylbutanoic acid; Jasmine lactone; Dec-7-en-5-olide; Limonene; d-Limonene; Linalool; Maltol; Veltol ; Corps praline; 5-Ethyl-3-hydroxy-4-methyl-2(5H)-furanone; Maple furanone; Menthethiol; 1-p-Menthene-8-thiol; Menthone; p-Menthan-3-one; 2-Methoxy-3-isopropylpyrazine; 2-Methoxy-5-isopropylpyrazine; Methoxymethylphenol; 2-Methoxy-4-methylphenol; Creosol; 2-Methoxy-3-sec-butylpyrazine; 2,5 -Methoxy-3-methylpyrazine; 2,6 -Methoxy-3-methylpyrazine; 2-Methoxy-3-methylpyrazine; 5-Methoxy-2-methylpyrazine; Methoxypyrazine; 2-Methoxypyrazine; Methoxyvinylphenol; 2-Methoxy-4-vinylphenol; 4-Vinylguaiacol; Methyl butyrate; Methyl butanoate; Methyl 2 -furylmethyl disulfide; Methyl heptanoate; Methyl hexanoate, Methyl caproate; Methyl isobutyrate; Methyl 2-methyl propanoate; Methyl mercaptan; Methyl methylbutyrate; Methyl 2-methylbutyrate; Methyl 3-methylthiopropionate; Methyl octanoate; Methyl caprylate; Methyl 1-propenyl disulfide; Methyl salicylate; Methyl sulfide; Dimethyl sulfide; Methylthiomethane; Methyl valerate; Methyl pentanoate; 4-Methylacetophenone; p-Methylacetophenone; Methylbutyl acetate, 2-Methylbutyl acetate; Methylbutyraldehyde; 2-Methylbutyraldehyde; Methylbutyraldehyde; 3-Methylbutyraldehyde; Isovaleraldehyde; Methylbutyric acid; 2-Methylbutyric acid; Methylcyclopentenolone; Cyclotene; Ketonarome; Corylone; MCP; 2-Methyl-3-(furfurylthio)pyrazine; 2-Methyl-5-(furfurylthio)pyrazine; Methyl heptadienone; 6-Methyl-3,5-heptadien-2-one; Methylheptenol; 6-Methyl-5-hepten-2-ol; Methylheptenone; 6-Methyl-5-hepten-2-one; 2-Methyl-4-propyl-1,3-oxathiane; (+)-cis-2-Methyl-4-propyl-1,3-oxathiane; (-)-cis-2-Methyl-4-propyl-1,3-oxathiane; Methylpyrazine, 2-Methylpyrazine; 4-Methyl-5-thiazoleethanol; Sulfurol; Methylthioacetaldehyde; 2-Methylthioacetaldehyde; Methylthiomethylpyrazine (mixture of isomers); 2-Methylthio-3-methylpyrazine; 5-Methylthio-2-methylpyrazine; Methylthiophencarboxaldehyde; 2-Formyl-5-methylthiophene; Methylthiopropenal; 3-(Methylthio)-propanal; Methional; Myrcene; Myristaldehyde; Tetradecanal; Aldehyde C-14 (Myristic); Myristic acid; Tetradecanoic acid; Nerol; Nonadienal; (E,Z)-2,6-Nonadienal; trans,cis-2,6-Nonadienal; Nonadienal; (E,E)-2,4-Nonadienal; trans,trans-2,4-Nonadienal; Nonanal; Nonyl aldehyde; Aldehyde C-9; Nonanoic acid; Nonanol; 1 -Nonanol; Nonyl alcohol; Alcohol C-9; Nonanone; 2-Nonanone; Methyl heptyl ketone; Nonenal; 2-Nonenal; Nonenal; cis-6-Nonenal; Nootkatone; (+)-Nootkatone (the natural isomer); Nootkatone; (-)-Nootkatone; Octalactone; delta-Octalactone; 5-Octanolide; Octalactone; gamma-

Octalactone; 4-octanolide, Octanal; Caprylic aldehyde; Aldehyde C-8; Octanoic acid; Caprylic acid; Octanol; 1-Octanol; Octyl alcohol,- Alcohol C-8; Octanone; 2-Octanone; Octanone; 3-Octanone; Octenal; 2-Octenal; Octenol; 1-Octen-3-ol; Octenone; 1-Octen-3-one; Octyl acetate; Octyl isobutyrate; Octyl 2-methylpropanoate; Palmitic acid; Hexadecanoic acid; Pentadecalactone; omega-Pentadecalactone; 15-Pentadecanolide; Pentanone; 2-Pentanone; Pentenal; 2-Pentenal; Pentenol, 1-Penten-3-ol; Pentenone, 1-Penten-3-one; Ethyl vinyl ketone; Pentenone, 3-Penten-2-one; Pentylfuran; 2-Pentylfuran; Pentylpyridine; 2-Pentylpyridine; Phenethyl alcohol; 2-Phenethyl alcohol; Phenol; Phenylacetaldehyde; Phenylacetic acid; Pinene; alpha-Pinene; Pinene; beta-Pinene; Piperidine; Piperonal; Heliotropine; Propanethiol; 1-Propanethiol; n-Propyl mercaptan; Propanol; 1-Propanol; Propyl alcohol; Propenyl propyl disulfide; Propyl propenyl disulfide; Propenylguaethol; 2-Ethoxy-5-propenylphenol; Propionaldehyde; Propanal; Propionic acid; Propanoic acid; Propyl butyrate; Propyl butanoate; Propyl propionate; Propyl propanoate; Pyrazinyl methyl sulfide; 2-(Methylthiomethyl)-pyrazine; Pyridine; Pyrrole; Pyrrolidine; Quinoline; Raspberry Ketone; 4-(p-Hydroxyphenyl)-2-butanone; Oxanone, Rose oxide; 4-Methyl-2-(2-methylpropen-1-yl)-tetrahydropyran; Sinensal; alpha-Sinensal; Sotolon; Caramel furanone; Stearic acid; Octadecanoic acid; Strawberry furanone; 4,5-Dimethyl-3-hydroxy-2(5H)-furanone; Styrene; Vinylbenzene; Terpeneol; alpha-Terpeneol; p-Menth-1-en-8-ol; Terpinolene; p-Menth-1,4(8)-diene; Tetramethylpyrazine, 2,3,5,6-Tetramethylpyrazine; Thiamine hydrochloride; Thymol, 5-Methyl-2-isopropylphenol; Trimethylamine; 2,2,6-Trimethylcyclohexanone; Trimethyloxazoline; 2,4,5-Trimethyl-3-oxazoline; Trimethyl pyrazine; 2,3,5-Trimethylpyrazine, Trimethylthiazole; 2,4,5-Trimethylthiazole; Undecalactone; delta-Undecalactone; 5-Undecanolide; Undecanal; Aldehyde C-11 (undecylic); Undecanoic acid; Undecylic acid; Undecanone; 2-Undecanone; Methyl nonyl ketone; Valeraldehyde; Pentanal; Valeric acid; Pentanoic acid; Vanillin, 4-Hydroxy-3-methoxybenzaldehyde; Vinylphenol; and 4-Vinylphenol.

Claim 19.(Currently Amended). The method of Claim 18, where the plurality of different chemical entities comprises at least three chemical entities selected from ~~compounds listed in Table 1.~~ the group consisting of: Acetaldehyde; Ethanal; Acetic aldehyde; Acetic acid; Ethanoic acid; Acetoin; 3-Hydroxy-2-butanone; Acetone; 2-Propanone; Propan-2-one; Dimethyl ketone;

Acetophenone; Methyl phenyl ketone; Acetylpyrazine; 2-Acetylpyrazine; Acetylpyridine; 2-Acetylpyridine; Acetylpyrrole; 2-Acetylpyrrole; Methyl pyrrolyl ketone; Acetylthiazole; 2-Acetylthiazole; Allyl sulfide; Diallyl sulfide; Ambrox® ((+)-Ambrox isomer); Ambrox® ((-)-Ambrox isomer); Ambroxan; Ambrox® (DL-Ambrox isomer); Synambran; Amyl alcohol; 1-Pentanol; Pentyl alcohol; Amyl butyrate; n-Pentyl butanoate; Amyl butanoate; Anisole; Methoxybenzene; Benzaldehyde; Benzenethiol; Thiophenol; Phenyl mercaptan; Benzothiazole; Benzyl alcohol; Bornyl acetate; Butanethiol; 1-Butanethiol; Butanone; 2-Butanone; Methyl ethyl ketone; Butyl acetate; n-Butyl acetate; Butyl alcohol; Butanol; 1-Butanol; n-Butanol; Butyl butyrate; Butyl butanoate; Butyl hexanoate; Butyl caproate; Butyl isobutyrate; n-Butyl 2-methylpropanoate; Butyl methylbutyrate; n-Butyl 2-methylbutyrate; Butyl propionate; n-Butyl propanoate; Butylamine; 1-Aminobutane; Butyraldehyde; Butanal; n-Butanal; Butyric acid; n-Butanoic acid; Carvone; (-)-carvone Caryophyllene;  $\beta$ -Caryophyllene; Citral (Geranial isomer); Citral (Neral isomer); Citronellol ((+)-Citronellol isomer); Cresol; 2-Methylphenol; o-Cresol; Cresol; 3-Methylphenol; m-Cresol; Cresol; 4-methylphenol; p-Cresol; Cyclocitral ( $\beta$ -Cyclocitral isomer); Damasconone;  $\beta$ - Damasconone; Damascone;  $\alpha$ - Damascone; Damascone ((+)- $\alpha$ -Damascone isomer); Damascone ((-)- $\alpha$ -Damascone isomer); Decadienal; trans,trans-2,4-Decadienal; Decalactone;  $\gamma$ -Decalactone; 4-Decanolide; Decalactone; delta-Decalactone; 5-Decanolide; Decanal; Aldehyde C-10; Decyl aldehyde; Decanoic acid; Capric acid; Decenal; 2-Decenal; (E)-2-Decenal; Diacetyl; 2,3-dioxobutane; Dimethoxyphenol; 2,6-Dimethoxyphenol; Syringol; Dimethyl disulfide; Methyl disulfide; Dimethyl trisulfide; Methyl trisulfide; 3,4-Dimethyl-1,2-cyclopentanedione; 3,5-Dimethyl-1,2-cyclopentanedione; 2,5-Dimethyl-4-methoxy-3(2H)-furanone; Dimethylpyrazine; 2,3-Dimethylpyrazine; Dimethylpyrazine; 2,5-Dimethylpyrazine; Dimethylpyrazine; 2,6-Dimethylpyrazine; Dimethylthiazole; 4,5-Dimethylthiazole; Dimethyltrithiolane; 3,5-Dimethyl-1,2,4-trithiolane; Dodecalactone;  $\gamma$ -Dodecalactone; 4-Dodecanolide; Dodecalactone; delta- Dodecalactone; 5-Dodecanolide; Dodecanal; Lauric aldehyde; Aldehyde C-12; Dodecyl aldehyde; Dodecanoic acid, Lauric acid; Ethoxymethylpyrazine; 2-Ethoxy-3-methylpyrazine; Ethyl acetate; Ethyl acetoacetate; Acetoacetic acid, ethyl ester; Ethyl acrylate; Ethyl alcohol; Ethyl benzoate; Ethyl butyrate; Ethyl butanoate; Ethyl cinnamate; Ethyl heptanoate; Ethyl hexanoate; Ethyl caproate; Ethyl isobutyrate; Ethyl 2-methylpropanoate; Ethyl lactate; Ethyl methylbutyrate; Ethyl 2-

methylbutyrate; Ethyl 3-methylthiopropionate; Ethyl palmitate; Ethyl hexadecanoate; Ethyl cetyl  
cetate; Ethyl phenylacetate; Ethyl propionate; Ethyl propanoate; Ethyl valerate; Ethyl  
pentanoate; Ethyl vanillin; 3-Ethoxy-4-hydroxybenzaldehyde; Ethavan; 2-Ethyl-3,5-  
dimethylpyrazine; 2-Ethyl-3,6-dimethylpyrazine; Ethyldimethylpyrazine; 3-Ethyl-2,6-  
dimethylpyrazine; Ethylguaiacol; 4-Ethylguaiacol; 4-Ethyl-2-methoxyphenol; Ethylhexanol; 2-  
Ethyl-1-hexanol; 2-Ethylhexan-1-ol; Ethylhydroxymethylfuranone; 2-Ethyl-4-hydroxy-5-methyl-  
3(2H)furanone; Ethyl methoxypyrazine; 2-Ethyl-3-methoxypyrazine; Ethyl methylpyrazine; 2-  
Ethyl-5-methylpyrazine; Ethyl methylpyrazine; 3-Ethyl-2-methylpyrazine; Ethyl methylpyridine;  
5-Ethyl-2-methylpyridine; Ethylpyrazine; 2-Ethylpyrazine; Eucalyptol; Cineole; 1,8-Cineole;  
1,8-epoxy-p-menthane; Eugenol; 4-Allyl-2-methoxyphenol; Eugenyl methyl ether; Methyl  
eugenol; Methyl eugenol ether; Farnesol; Formic acid; Furfural; Furfuryl alcohol; Furfuryl  
mercaptan; Furyl methyl ketone; 2-Furyl methyl ketone; 2-Acetylfuran; Geraniol; trans-3,7-  
Dimethyl-2,7-octadien-ol; Geranyl acetate; Geranyl acetone; 6,10-Dimethyl-5,9-undecadien-2-  
one; Geranyl isobutyrate; Geranyl 2-methylpropanoate; Geranyl propionate; Geranyl propanoate;  
Glycerol; Glycerin; Glycine; Aminoacetic acid; Guaiacol; o-Methoxyphenol; o-Hydroxyanisole.  
Heptalactone; gamma-Heptalactone; 4-heptanolide; Heptanal; Aldehyde C-7; Heptaldehyde;  
Heptyl aldehyde; Heptanoic acid; Heptanone; 2-Heptanone; Methyl amyl ketone; Heptenal, 4-  
Heptenal (cis and trans); Heptenal; trans-2-Heptenal; Heptenal; (E)-4-Heptenal; trans-4-  
Heptenal; Heptenal; (Z)-4-Heptenal; cis-4-Heptenal; Heptenone; 3-Hepten-2-one; (E)-3-Hepten-  
2-one; Heptyl alcohol; 1-Heptanol; n-Heptanol; Alcohol C-7; Heptyl isobutyrate; Heptyl 2-  
methylpropanoate; Hexadienal; (E,E)-2,4-Hexadienal; trans,trans-2,4-Hexadienal; Hexalactone;  
gamma-Hexalactone; 4-Hexanolide; Hexan-4-olide; Hexanal; Aldehyde C-6; Caproic aldehyde;  
Hexanoic acid; Caproic acid; Hexanol; 1-Hexanol; Hexyl alcohol; Caproic alcohol; Alcohol C-6;  
Hexenal; 2-hexenal; Hex-2-enal; (E)-2-hexenal; Hexenal; cis-3-Hexenal; (Z)-3-hexenal;  
Hexenol; 3-Hexen-1-ol; cis-3-Hexenol;(Z)-3-Hexenol; Hexyl acetate; Hexyl butyrate; Hexyl  
butanoate; Hexyl isobutyrate; Hexyl 2-methylpropanoate; Hexyl methylbutanoate; Hexyl 2-  
methylbutanoate; Hexyl propionate; Hexyl propanoate; Hydroxydecadienoic acid lactone; 6-  
Pentyl-alpha-pyrone, Hydroxydihydrotheaspirane; 6-Hydroxydihydrotheaspirane; Indole;  
lonone; alpha-lonone; lonone; beta-lonone; Isoamyl acetate; 3-Methylbutyl acetate; Isoamyl  
alcohol, 3-Methyl-1-butanol; Isopentyl alcohol; Isobutyl acetate; Isobutyl alcohol; 2-Methyl- 1 -

propanol; Isobutyl isobutyrate; 2-Methylpropyl 2-methylpropanoate; Isobutyrimethoxypyrazine;  
2-Isobutyl-3-methoxypyrazine; Isobutylmethylpyrazine; 2-Isobutyl-3-methylpyrazine;  
Isobutylthiazole; 2-Isobutylthiazole; Isobutyraldehyde; 2-Methylpropanal; Isobutyric acid; 2-  
Methylpropanoic acid; Isovaleric acid; 3-Methylbutanoic acid; Jasmine lactone; Dec-7-en-5-  
olide; Limonene; d-Limonene; Linalool; Maltol; Veltol ; Corps praline; 5-Ethyl-3-hydroxy-4-  
methyl-2(5H)-furanone; Maple furanone; Menthene-8-thiol; 1-p-Menthene-8-thiol; Menthone; p-  
Menthan-3-one; 2-Methoxy-3-isopropylpyrazine; 2-Methoxy-5-isopropylpyrazine;  
Methoxymethylphenol; 2-Methoxy-4-methylphenol; Creosol; 2-Methoxy-3-sec-butylpyrazine;  
2,5 -Methoxy-3-methylpyrazine; 2,6 -Methoxy-3-methylpyrazine; 2-Methoxy-3-methylpyrazine;  
5-Methoxy-2-methylpyrazine; Methoxypyrazine; 2-Methoxypyrazine; Methoxyvinylphenol; 2-  
Methoxy-4-vinylphenol; 4-Vinylguaiacol; Methyl butyrate; Methyl butanoate; Methyl 2 -  
furylmethyl disulfide; Methyl heptanoate; Methyl hexanoate, Methyl caproate; Methyl  
isobutyrate; Methyl 2-methyl propanoate; Methyl mercaptan; Methyl methylbutyrate; Methyl 2-  
methylbutyrate; Methyl 3-methylthiopropionate; Methyl octanoate; Methyl caprylate; Methyl 1-  
propenyl disulfide; Methyl salicylate; Methyl sulfide; Dimethyl sulfide; Methylthiomethane;  
Methyl valerate; Methyl pentanoate; 4-Methylacetophenone; p-Methylacetophenone;  
Methylbutyl acetate, 2-Methylbutyl acetate; Methylbutyraldehyde; 2-Methylbutyraldehyde;  
Methylbutyraldehyde; 3-Methylbutyraldehyde; Isovaleraldehyde; Methylbutyric acid; 2-  
Methylbutyric acid; Methylcyclopentenolone; Cyclotene; Ketonarome; Corylone; MCP; 2-  
Methyl-3-(furfurylthio)pyrazine; 2-Methyl-5-(furfurylthio)pyrazine; Methyl heptadienone; 6-  
Methyl-3,5-heptadien-2-one; Methylheptenol; 6-Methyl-5-hepten-2-ol; Methylheptenone; 6-  
Methyl-5-hepten-2-one; 2-Methyl-4-propyl-1,3-oxathiane; (+)-cis-2-Methyl-4-propyl-1,3-  
oxathiane; (-)-cis-2-Methyl-4-propyl-1,3-oxathiane; Methylpyrazine, 2-Methylpyrazine; 4-  
Methyl-5-thiazoleethanol; Sulfurol; Methylthioacetaldehyde; 2-Methylthioacetaldehyde;  
Methylthiomethylpyrazine (mixture of isomers); 2-Methylthio-3-methylpyrazine; 5-Methylthio-  
2-methylpyrazine; Methylthiophenecarboxaldehyde; 2-Formyl-5-methylthiophene;  
Methylthiopropional; 3-(Methylthio)-propanal; Methional; Myrcene; Myristaldehyde;  
Tetradecanal; Aldehyde C-14 (Myristic); Myristic acid; Tetradecanoic acid; Nerol; Nonadienal;  
(E,Z)-2,6-Nonadienal; trans,cis-2,6-Nonadienal; Nonadienal; (E,E)-2,4-Nonadienal; trans,trans-  
2,4-Nonadienal; Nonanal; Nonyl aldehyde; Aldehyde C-9; Nonanoic acid; Nonanol; 1 -Nonanol;

Nonyl alcohol; Alcohol C-9; Nonanone; 2-Nonanone; Methyl heptyl ketone; Nonenal; 2-Nonenal; Nonenal; cis-6-Nonenal; Nootkatone; (+)-Nootkatone (the natural isomer); Nootkatone; (-)-Nootkatone; Octalactone; delta-Octalactone; 5-Octanolide; Octalactone; gamma-Octalactone; 4-octanolide, Octanal; Caprylic aldehyde; Aldehyde C-8; Octanoic acid; Caprylic acid; Octanol; 1-Octanol; Octyl alcohol,- Alcohol C-8; Octanone; 2-Octanone; Octanone; 3-Octanone; Octenal; 2-Octenal; Octenol; 1-Octen-3-ol; Octenone; 1-Octen-3-one; Octyl acetate; Octyl isobutyrate; Octyl 2-methylpropanoate; Palmitic acid; Hexadecanoic acid; Pentadecalactone; omega-Pentadecalactone; 15-Pentadecanolide; Pentanone; 2-Pentanone; Pentenal; 2-Pentenal; Pentenol, 1-Penten-3-ol; Pentenone, 1-Penten-3-one; Ethyl vinyl ketone; Pentenone, 3-Penten-2-one; Pentylfuran; 2-Pentylfuran; Pentylpyridine; 2-Pentylpyridine; Phenethyl alcohol; 2-Phenethyl alcohol; Phenol; Phenylacetaldehyde; Phenylacetic acid; Pinene; alpha-Pinene; Pinene; beta-Pinene; Piperidine; Piperonal; Heliotropine; Propanethiol; 1-Propanethiol; n-Propyl mercaptan; Propanol; 1-Propanol; Propyl alcohol; Propenyl propyl disulfide; Propyl propenyl disulfide; Propenylguaethol; 2-Ethoxy-5-propenylphenol; Propionaldehyde; Propanal; Propionic acid; Propanoic acid; Propyl butyrate; Propyl butanoate; Propyl propionate; Propyl propanoate; Pyrazinyl methyl sulfide; 2-(Methylthiomethyl)-pyrazine; Pyridine; Pyrrole; Pyrrolidine; Quinoline; Raspberry Ketone; 4-(p-Hydroxyphenyl)-2-butanone; Oxanone, Rose oxide; 4-Methyl-2-(2-methylpropen-1-yl)-tetrahydropyran; Sinensal; alpha-Sinensal; Sotolon; Caramel furanone; Stearic acid; Octadecanoic acid; Strawberry furanone; 4,5-Dimethyl-3-hydroxy-2(5H)-furanone; Styrene; Vinylbenzene; Terpeneol; alpha-Terpeneol; p-Menth-1-en-8-ol; Terpinolene; p-Menth-1,4(8)-diene; Tetramethylpyrazine, 2,3,5,6-Tetramethylpyrazine; Thiamine hydrochloride; Thymol, 5-Methyl-2-isopropylphenol; Trimethylamine; 2,2,6-Trimethylcyclohexanone; Trimethyloxazoline; 2,4,5-Trimethyl-3-oxazoline; Trimethyl pyrazine; 2,3,5-Trimethylpyrazine, Trimethylthiazole; 2,4,5-Trimethylthiazole; Undecalactone; delta-Undecalactone; 5-Undecanolide; Undecanal; Aldehyde C-11 (undecylic); Undecanoic acid; Undecylic acid; Undecanone; 2-Undecanone; Methyl nonyl ketone; Valeraldehyde; Pentanal; Valeric acid; Pentanoic acid; Vanillin, 4-Hydroxy-3-methoxybenzaldehyde; Vinylphenol; and 4-Vinylphenol.

Claim 20. (Original). The method of Claim 16, wherein the plant is selected from rose, petunia, lilac, lavender, gardenia, orchid, snapdragon, cyclamen, lily, hyacinth, carnation, citronellia, mint, lemon, lime, orange, and pineapple.

Claim 21. (Original). The method of Claim 16, wherein the article is selected from a plant, a fresh flower, a dried flower, an artificial flower, a vase, a planter, a paper product, linens, and potpourri.

Claim 22. (Original). An article contacted with a composition having a scent that substantially mimics a natural fragrance of a plant.

Claim 23. (Original). The article of Claim 22, wherein the composition comprises at least two different chemical entities including at least a first chemical entity and a second chemical entity, the first and second chemical entities having different chemical structures; wherein the ratio of the concentration of the first chemical entity to second chemical entity is substantially the same as that emitted from the plant.

Claim 24. (Currently Amended). The article of Claim 23, wherein the first chemical entity and the second chemical entity each comprise a compound selected from ~~compounds listed in Table 1.~~ the group consisting of: Acetaldehyde; Ethanal; Acetic aldehyde; Acetic acid; Ethanoic acid; Acetoin; 3-Hydroxy-2-butanone; Acetone; 2-Propanone; Propan-2-one; Dimethyl ketone; Acetophenone; Methyl phenyl ketone; Acetylpyrazine; 2-Acetylpyrazine; Acetylpyridine; 2-Acetylpyridine; Acetylpyrrole; 2-Acetylpyrrole; Methyl pyrrolyl ketone; Acetylthiazole; 2-Acetylthiazole; Allyl sulfide; Diallyl sulfide; Ambrox® ((+)-Ambrox isomer); Ambrox® ((-)-Ambrox isomer); Ambroxan; Ambrox® (DL-Ambrox isomer); Synambran; Amyl alcohol; 1-Pentanol; Pentyl alcohol; Amyl butyrate; n-Pentyl butanoate; Amyl butanoate; Anisole; Methoxybenzene; Benzaldehyde; Benzenethiol; Thiophenol; Phenyl mercaptan; Benzothiazole; Benzyl alcohol; Bornyl acetate; Butanethiol; 1-Butanethiol; Butanone; 2-Butanone; Methyl ethyl ketone; Butyl acetate; n-Butyl acetate; Butyl alcohol; Butanol; 1-Butanol; n-Butanol; Butyl butyrate; Butyl butanoate; Butyl hexanoate; Butyl caproate; Butyl



isobutyrate; n-Butyl 2-methylpropanoate; Butyl methylbutyrate; n-Butyl 2-methylbutyrate; Butyl propionate; n-Butyl propanoate; Butylamine; 1-Aminobutane; Butyraldehyde; Butanal; n-Butanal; Butyric acid; n-Butanoic acid; Carvone; (-)-carvone Caryophyllene;  $\beta$ -Caryophyllene; Citral (Geranial isomer); Citral (Neral isomer); Citronellol ((+)-Citronellol isomer); Cresol; 2-Methylphenol; o-Cresol; Cresol; 3-Methylphenol; m-Cresol; Cresol; 4-methylphenol; p-Cresol; Cyclocitral ( $\beta$ -Cyclocitral isomer); Damasconone;  $\beta$ - Damasconone; Damascone;  $\alpha$ - Damascone; Damascone ((+)- $\alpha$ -Damascone isomer); Damascone ((-)- $\alpha$ -Damascone isomer); Decadienal; trans,trans-2,4-Decadienal; Decalactone;  $\gamma$ -Decalactone; 4-Decanolide; Decalactone; delta-Decalactone; 5-Decanolide; Decanal; Aldehyde C-10; Decyl aldehyde; Decanoic acid; Capric acid; Decenal; 2-Decenal; (E)-2-Decenal; Diacetyl; 2,3-dioxobutane; Dimethoxyphenol; 2,6-Dimethoxyphenol; Syringol; Dimethyl disulfide; Methyl disulfide; Dimethyl trisulfide; Methyl trisulfide; 3,4-Dimethyl-1,2-cyclopentanedione; 3,5-Dimethyl-1,2-cyclopentanedione; 2,5-Dimethyl-4-methoxy-3(2H)-furanone; Dimethylpyrazine; 2,3-Dimethylpyrazine; Dimethylpyrazine; 2,5-Dimethylpyrazine; Dimethylpyrazine; 2,6-Dimethylpyrazine; Dimethylthiazole; 4,5-Dimethylthiazole; Dimethyltrithiolane; 3,5-Dimethyl-1,2,4-trithiolane; Dodecalactone;  $\gamma$ -Dodecalactone; 4-Dodecanolide; Dodecalactone; delta- Dodecalactone; 5-Dodecanolide; Dodecanal; Lauric aldehyde; Aldehyde C-12; Dodecyl aldehyde; Dodecanoic acid, Lauric acid; Ethoxymethylpyrazine; 2-Ethoxy-3-methylpyrazine; Ethyl acetate; Ethyl acetoacetate; Acetoacetic acid, ethyl ester; Ethyl acrylate; Ethyl alcohol; Ethyl benzoate; Ethyl butyrate; Ethyl butanoate; Ethyl cinnamate; Ethyl heptanoate; Ethyl hexanoate; Ethyl caproate; Ethyl isobutyrate; Ethyl 2-methylpropanoate; Ethyl lactate; Ethyl methylbutyrate; Ethyl 2-methylbutyrate; Ethyl 3-methylthiopropionate; Ethyl palmitate; Ethyl hexadecanoate; Ethyl cetylrate; Ethyl phenylacetate; Ethyl propionate; Ethyl propanoate; Ethyl valerate; Ethyl pentanoate; Ethyl vanillin; 3-Ethoxy-4-hydroxybenzaldehyde; Ethavan; 2-Ethyl-3,5-dimethylpyrazine; 2-Ethyl-3,6-dimethylpyrazine; Ethyldimethylpyrazine; 3-Ethyl-2,6-dimethylpyrazine; Ethylguaiacol; 4-Ethylguaiacol; 4-Ethyl-2-methoxyphenol; Ethylhexanol; 2-Ethyl-1-hexanol; 2-Ethylhexan-1-ol; Ethylhydroxymethylfuranone; 2-Ethyl-4-hydroxy-5-methyl-3(2H)furanone; Ethyl methoxypyrazine; 2-Ethyl-3-methoxypyrazine; Ethyl methylpyrazine; 2-Ethyl-5-methylpyrazine; Ethyl methylpyrazine; 3-Ethyl-2-methylpyrazine; Ethyl methylpyridine; 5-Ethyl-2-methylpyridine; Ethylpyrazine; 2-Ethylpyrazine; Eucalyptol; Cineole; 1,8-Cineole;

1,8-epoxy-p-menthane; Eugenol; 4-Allyl-2-methoxyphenol; Eugenyl methyl ether; Methyl eugenol; Methyl eugenol ether; Farnesol; Formic acid; Furfural; Furfuryl alcohol; Furfuryl mercaptan; Furyl methyl ketone; 2-Furyl methyl ketone; 2-Acetylfuran; Geraniol; trans-3,7-Dimethyl-2,7-octadien-ol; Geranyl acetate; Geranyl acetone; 6,10-Dimethyl-5,9-undecadien-2-one; Geranyl isobutyrate; Geranyl 2-methylpropanoate; Geranyl propionate; Geranyl propanoate; Glycerol; Glycerin; Glycine; Aminoacetic acid; Guaiacol; o-Methoxyphenol; o-Hydroxyanisole; Heptalactone; gamma-Heptalactone; 4-heptanolide; Heptanal; Aldehyde C-7; Heptaldehyde; Heptyl aldehyde; Heptanoic acid; Heptanone; 2-Heptanone; Methyl amyl ketone; Heptenal, 4-Heptenal (cis and trans); Heptenal; trans-2-Heptenal; Heptenal; (E)-4-Heptenal; trans-4-Heptenal; Heptenal; (Z)-4-Heptenal; cis-4-Heptenal; Heptenone; 3-Hepten-2-one; (E)-3-Hepten-2-one; Heptyl alcohol; 1-Heptanol; n-Heptanol; Alcohol C-7; Heptyl isobutyrate; Heptyl 2-methylpropanoate; Hexadienal; (E,E)-2,4-Hexadienal; trans,trans-2,4-Hexadienal; Hexalactone; gamma-Hexalactone; 4-Hexanolide; Hexan-4-olide; Hexanal; Aldehyde C-6; Caproic aldehyde; Hexanoic acid; Caproic acid; Hexanol; 1-Hexanol; Hexyl alcohol; Caproic alcohol; Alcohol C-6; Hexenal; 2-hexenal; Hex-2-enal; (E)-2-hexenal; Hexenal; cis-3-Hexenal; (Z)-3-hexenal; Hexenol; 3-Hexen-1-ol; cis-3-Hexenol;(Z)-3-Hexenol; Hexyl acetate; Hexyl butyrate; Hexyl butanoate; Hexyl isobutyrate; Hexyl 2-methylpropanoate; Hexyl methylbutanoate; Hexyl 2-methylbutanoate; Hexyl propionate; Hexyl propanoate; Hydroxydecadienoic acid lactone; 6-Pentyl-alpha-pyrone, Hydroxydihydrotheaspirane; 6-Hydroxydihydrotheaspirane; Indole; Ionone; alpha-Ionone; Ionone; beta-Ionone; Isoamyl acetate; 3-Methylbutyl acetate; Isoamyl alcohol, 3-Methyl-1-butanol; Isopentyl alcohol; Isobutyl acetate; Isobutyl alcohol; 2-Methyl-1-propanol; Isobutyl isobutyrate; 2-Methylpropyl 2-methylpropanoate; Isobutyrimethoxypyrazine; 2-Isobutyl-3-methoxypyrazine; Isobutylmethylpyrazine; 2-Isobutyl-3-methylpyrazine; Isobutylthiazole; 2-Isobutylthiazole; Isobutyraldehyde; 2-Methylpropanal; Isobutyric acid; 2-Methylpropanoic acid; Isovaleric acid; 3-Methylbutanoic acid; Jasmine lactone; Dec-7-en-5-olide; Limonene; d-Limonene; Linalool; Maltol; Veltol ; Corps praline; 5-Ethyl-3-hydroxy-4-methyl-2(5H)-furanone; Maple furanone; Menthethiol; 1-p-Menthene-8-thiol; Menthone; p-Menthan-3-one; 2-Methoxy-3-isopropylpyrazine; 2-Methoxy-5-isopropylpyrazine; Methoxymethylphenol; 2-Methoxy-4-methylphenol; Creosol; 2-Methoxy-3-sec-butylpyrazine; 2,5 -Methoxy-3-methylpyrazine; 2,6 -Methoxy-3-methylpyrazine; 2-Methoxy-3-methylpyrazine;

5-Methoxy-2-methylpyrazine; Methoxypyrazine; 2-Methoxypyrazine; Methoxyvinylphenol; 2-Methoxy-4-vinylphenol; 4-Vinylguaiacol; Methyl butyrate; Methyl butanoate; Methyl 2-furylmethyl disulfide; Methyl heptanoate; Methyl hexanoate, Methyl caproate; Methyl isobutyrate; Methyl 2-methyl propanoate; Methyl mercaptan; Methyl methylbutyrate; Methyl 2-methylbutyrate; Methyl 3-methylthiopropionate; Methyl octanoate; Methyl caprylate; Methyl 1-propenyl disulfide; Methyl salicylate; Methyl sulfide; Dimethyl sulfide; Methylthiomethane; Methyl valerate; Methyl pentanoate; 4-Methylacetophenone; p-Methylacetophenone; Methylbutyl acetate, 2-Methylbutyl acetate; Methylbutyraldehyde; 2-Methylbutyraldehyde; Methylbutyraldehyde; 3-Methylbutyraldehyde; Isovaleraldehyde; Methylbutyric acid; 2-Methylbutyric acid; Methylcyclopentenolone; Cyclotene; Ketonarome; Corylone; MCP; 2-Methyl-3-(furfurylthio)pyrazine; 2-Methyl-5-(furfurylthio)pyrazine; Methyl heptadienone; 6-Methyl-3,5-heptadien-2-one; Methylheptenol; 6-Methyl-5-hepten-2-ol; Methylheptenone; 6-Methyl-5-hepten-2-one; 2-Methyl-4-propyl-1,3-oxathiane; (+)-cis-2-Methyl-4-propyl-1,3-oxathiane; (-)-cis-2-Methyl-4-propyl-1,3-oxathiane; Methylpyrazine, 2-Methylpyrazine; 4-Methyl-5-thiazoleethanol; Sulfurol; Methylthioacetaldehyde; 2-Methylthioacetaldehyde; Methylthiomethylpyrazine (mixture of isomers); 2-Methylthio-3-methylpyrazine; 5-Methylthio-2-methylpyrazine; Methylthiophencarboxaldehyde; 2-Formyl-5-methylthiophene; Methylthiopropenal; 3-(Methylthio)-propanal; Methional; Myrcene; Myristaldehyde; Tetradecanal; Aldehyde C-14 (Myristic); Myristic acid; Tetradecanoic acid; Nerol; Nonadienal; (E,Z)-2,6-Nonadienal; trans,cis-2,6-Nonadienal; Nonadienal; (E,E)-2,4-Nonadienal; trans,trans-2,4-Nonadienal; Nonanal; Nonyl aldehyde; Aldehyde C-9; Nonanoic acid; Nonanol; 1-Nonanol; Nonyl alcohol; Alcohol C-9; Nonanone; 2-Nonanone; Methyl heptyl ketone; Nonenal; 2-Nonenal; Nonenal; cis-6-Nonenal; Nootkatone; (+)-Nootkatone (the natural isomer); Nootkatone; (-)-Nootkatone; Octalactone; delta-Octalactone; 5-Octanolide; Octalactone; gamma-Octalactone; 4-octanolide, Octanal; Caprylic aldehyde; Aldehyde C-8; Octanoic acid; Caprylic acid; Octanol; 1-Octanol; Octyl alcohol,- Alcohol C-8; Octanone; 2-Octanone; Octanone; 3-Octanone; Octenal; 2-Octenal; Octenol; 1-Octen-3-ol; Octenone; 1-Octen-3-one; Octyl acetate; Octyl isobutyrate; Octyl 2-methylpropanoate; Palmitic acid; Hexadecanoic acid; Pentadecalactone; omega-Pentadecalactone; 15-Pentadecanolide; Pentanone; 2-Pentanone; Pentenal; 2-Pentenal; Pentenol, 1-Penten-3-ol; Pentenone, 1-Penten-3-one; Ethyl vinyl ketone;

Pentenone, 3-Penten-2-one; Pentylfuran; 2-Pentylfuran; Pentylpyridine; 2-Pentylpyridine, Phenethyl alcohol; 2-Phenethyl alcohol; Phenol; Phenylacetaldehyde; Phenylacetic acid; Pinene; alpha-Pinene; Pinene; beta-Pinene; Piperidine; Piperonal; Heliotropine; Propanethiol; 1-Propanethiol; n-Propyl mercaptan; Propanol; 1-Propanol; Propyl alcohol; Propenyl propyl disulfide; Propyl propenyl disulfide; Propenylguaethol; 2-Ethoxy-5-propenylphenol; Propionaldehyde; Propanal; Propionic acid; Propanoic acid; Propyl butyrate; Propyl butanoate; Propyl propionate; Propyl propanoate; Pyrazinyl methyl sulfide; 2-(Methylthiomethyl)-pyrazine; Pyridine; Pyrrole; Pyrrolidine; Quinoline; Raspberry Ketone; 4-(p-Hydroxyphenyl)-2-butanone; Oxanone, Rose oxide; 4-Methyl-2-(2-methylpropen-1-yl)-tetrahydropyran; Sinensal; alpha-Sinensal; Sotolon; Caramel furanone; Stearic acid; Octadecanoic acid; Strawberry furanone; 4,5-Dimethyl-3-hydroxy-2(5H)-furanone; Styrene; Vinylbenzene; Terpeneol; alpha-Terpeneol; p-Menth-1-en-8-ol; Terpinolene; p-Menth-1,4(8)-diene; Tetramethylpyrazine, 2,3,5,6-Tetramethylpyrazine; Thiamine hydrochloride; Thymol, 5-Methyl-2-isopropylphenol; Trimethylamine; 2,2,6-Trimethylcyclohexanone; Trimethyloxazoline; 2,4,5-Trimethyl-3-oxazoline; Trimethyl pyrazine; 2,3,5-Trimethylpyrazine, Trimethylthiazole; 2,4,5-Trimethylthiazole; Undecalactone; delta-Undecalactone; 5-Undecanolide; Undecanal; Aldehyde C-11 (undecylic); Undecanoic acid; Undecylic acid; Undecanone; 2-Undecanone; Methyl nonyl ketone; Valeraldehyde; Pentanal; Valeric acid; Pentanoic acid; Vanillin, 4-Hydroxy-3-methoxybenzaldehyde; Vinylphenol; and 4-Vinylphenol.

Claim 25. (Currently Amended). The article of Claim 24, where the composition comprises at least three chemical entities selected from ~~compounds listed in Table 1.~~ the group consisting of: Acetaldehyde; Ethanal; Acetic aldehyde; Acetic acid; Ethanoic acid; Acetoin; 3-Hydroxy-2-butanone; Acetone; 2-Propanone; Propan-2-one; Dimethyl ketone; Acetophenone; Methyl phenyl ketone; Acetylpyrazine; 2-Acetylpyrazine; Acetylpyridine; 2-Acetylpyridine; Acetylpyrrole; 2-Acetylpyrrole; Methyl pyrrolyl ketone; Acetylthiazole; 2-Acetylthiazole; Allyl sulfide; Diallyl sulfide; Ambrox® ((+)-Ambrox isomer); Ambrox® ((-)-Ambrox isomer); Ambroxan; Ambrox® (DL-Ambrox isomer); Synambran; Amyl alcohol; 1-Pentanol; Pentyl alcohol; Amyl butyrate; n-Pentyl butanoate; Amyl butanoate; Anisole; Methoxybenzene; Benzaldehyde; Benzenethiol; Thiophenol; Phenyl mercaptan; Benzothiazole; Benzyl alcohol;

Bornyl acetate; Butanethiol; 1-Butanethiol; Butanone; 2-Butanone; Methyl ethyl ketone; Butyl acetate; n-Butyl acetate; Butyl alcohol; Butanol; 1-Butanol; n-Butanol; Butyl butyrate; Butyl butanoate; Butyl hexanoate; Butyl caproate; Butyl isobutyrate; n-Butyl 2-methylpropanoate; Butyl methylbutyrate; n-Butyl 2-methylbutyrate; Butyl propionate; n-Butyl propanoate; Butylamine; 1-Aminobutane; Butyraldehyde; Butanal; n-Butanal; Butyric acid; n-Butanoic acid; Carvone; (-)-carvone Caryophyllene;  $\beta$ -Caryophyllene; Citral (Geranial isomer); Citral (Neral isomer); Citronellol ((+)-Citronellol isomer); Cresol; 2-Methylphenol; o-Cresol; Cresol; 3-Methylphenol; m-Cresol; Cresol; 4-methylphenol; p-Cresol; Cyclocitral ( $\beta$ -Cyclocitral isomer); Damasconone;  $\beta$ - Damasconone; Damascone;  $\alpha$ - Damascone; Damascone ((+)- $\alpha$ -Damascone isomer); Damascone ((-)- $\alpha$ -Damascone isomer); Decadienal; trans,trans-2,4-Decadienal; Decalactone;  $\gamma$ -Decalactone; 4-Decanolide; Decalactone; delta-Decalactone; 5-Decanolide; Decanal; Aldehyde C-10; Decyl aldehyde; Decanoic acid; Capric acid; Decenal; 2-Decenal; (E)-2-Decenal; Diacetyl; 2,3-dioxobutane; Dimethoxyphenol; 2,6-Dimethoxyphenol; Syringol; Dimethyl disulfide; Methyl disulfide; Dimethyl trisulfide; Methyl trisulfide; 3,4-Dimethyl-1,2-cyclopentanedione; 3,5-Dimethyl-1,2-cyclopentanedione; 2,5-Dimethyl-4-methoxy-3(2H)-furanone; Dimethylpyrazine; 2,3-Dimethylpyrazine; Dimethylpyrazine; 2,5-Dimethylpyrazine; Dimethylpyrazine; 2,6-Dimethylpyrazine; Dimethylthiazole; 4,5-Dimethylthiazole; Dimethyltrithiolane; 3,5-Dimethyl-1,2,4-trithiolane; Dodecalactone;  $\gamma$ -Dodecalactone; 4-Dodecanolide; Dodecalactone; delta- Dodecalactone; 5-Dodecanolide; Dodecanal; Lauric aldehyde; Aldehyde C-12; Dodecyl aldehyde; Dodecanoic acid, Lauric acid; Ethoxymethylpyrazine; 2-Ethoxy-3-methylpyrazine; Ethyl acetate; Ethyl acetoacetate; Acetoacetic acid, ethyl ester; Ethyl acrylate; Ethyl alcohol; Ethyl benzoate; Ethyl butyrate; Ethyl butanoate; Ethyl cinnamate; Ethyl heptanoate; Ethyl hexanoate; Ethyl caproate; Ethyl isobutyrate; Ethyl 2-methylpropanoate; Ethyl lactate; Ethyl methylbutyrate; Ethyl 2-methylbutyrate; Ethyl 3-methylthiopropionate; Ethyl palmitate; Ethyl hexadecanoate; Ethyl cetylrate; Ethyl phenylacetate; Ethyl propionate; Ethyl propanoate; Ethyl valerate; Ethyl pentanoate; Ethyl vanillin; 3-Ethoxy-4-hydroxybenzaldehyde; Ethavan; 2-Ethyl-3,5-dimethylpyrazine; 2-Ethyl-3,6-dimethylpyrazine; Ethyldimethylpyrazine; 3-Ethyl-2,6-dimethylpyrazine; Ethylguaiaicol; 4-Ethylguaiaicol; 4-Ethyl-2-methoxyphenol; Ethylhexanol; 2-Ethyl-1-hexanol; 2-Ethylhexan-1-ol; Ethylhydroxymethylfuranone; 2-Ethyl-4-hydroxy-5-methyl-

3(2H)furanone; Ethyl methoxypyrazine; 2-Ethyl-3-methoxypyrazine; Ethyl methylpyrazine; 2-Ethyl-5-methylpyrazine; Ethyl methylpyrazine; 3-Ethyl-2-methylpyrazine; Ethyl methylpyridine; 5-Ethyl-2-methylpyridine; Ethylpyrazine; 2-Ethylpyrazine; Eucalyptol; Cineole; 1,8-Cineole; 1,8-epoxy-p-menthane; Eugenol; 4-Allyl-2-methoxyphenol; Eugenyl methyl ether; Methyl eugenol; Methyl eugenol ether; Farnesol; Formic acid; Furfural; Furfuryl alcohol; Furfuryl mercaptan; Furyl methyl ketone; 2-Furyl methyl ketone; 2-Acetylfuran; Geraniol; trans-3,7-Dimethyl-2,7-octadien-ol; Geranyl acetate; Geranyl acetone; 6,10-Dimethyl-5,9-undecadien-2-one; Geranyl isobutyrate; Geranyl 2-methylpropanoate; Geranyl propionate; Geranyl propanoate; Glycerol; Glycerin; Glycine; Aminoacetic acid; Guaiacol; o-Methoxyphenol; o-Hydroxyanisole; Heptalactone; gamma-Heptalactone; 4-heptanolide; Heptanal; Aldehyde C-7; Heptaldehyde; Heptyl aldehyde; Heptanoic acid; Heptanone; 2-Heptanone; Methyl amyl ketone; Heptenal, 4-Heptenal (cis and trans); Heptenal; trans-2-Heptenal; Heptenal; (E)-4-Heptenal; trans-4-Heptenal; Heptenal; (Z)-4-Heptenal; cis-4-Heptenal; Heptenone; 3-Hepten-2-one; (E)-3-Hepten-2-one; Heptyl alcohol; 1-Heptanol; n-Heptanol; Alcohol C-7; Heptyl isobutyrate; Heptyl 2-methylpropanoate; Hexadienal; (E,E)-2,4-Hexadienal; trans,trans-2,4-Hexadienal; Hexalactone; gamma-Hexalactone; 4-Hexanolide; Hexan-4-olide; Hexanal; Aldehyde C-6; Caproic aldehyde; Hexanoic acid; Caproic acid; Hexanol; 1-Hexanol; Hexyl alcohol; Caproic alcohol; Alcohol C-6; Hexenal; 2-hexenal; Hex-2-enal; (E)-2-hexenal; Hexenal; cis-3-Hexenal; (Z)-3-hexenal; Hexenol; 3-Hexen-1-ol; cis-3-Hexenol; (Z)-3-Hexenol; Hexyl acetate; Hexyl butyrate; Hexyl butanoate; Hexyl isobutyrate; Hexyl 2-methylpropanoate; Hexyl methylbutanoate; Hexyl 2-methylbutanoate; Hexyl propionate; Hexyl propanoate; Hydroxydecadienoic acid lactone; 6-Pentyl-alpha-pyrone, Hydroxydihydrotheaspirane; 6-Hydroxydihydrotheaspirane; Indole; Ionone; alpha-Ionone; Ionone; beta-Ionone; Isoamyl acetate; 3-Methylbutyl acetate; Isoamyl alcohol, 3-Methyl-1-butanol; Isopentyl alcohol; Isobutyl acetate; Isobutyl alcohol; 2-Methyl-1-propanol; Isobutyl isobutyrate; 2-Methylpropyl 2-methylpropanoate; Isobutyrimethoxypyrazine; 2-Isobutyl-3-methoxypyrazine; Isobutylmethylpyrazine; 2-Isobutyl-3-methylpyrazine; Isobutylthiazole; 2-Isobutylthiazole; Isobutyraldehyde; 2-Methylpropanal; Isobutyric acid; 2-Methylpropanoic acid; Isovaleric acid; 3-Methylbutanoic acid; Jasmine lactone; Dec-7-en-5-olide; Limonene; d-Limonene; Linalool; Maltol; Veltol ; Corps praline; 5-Ethyl-3-hydroxy-4-methyl-2(5H)-furanone; Maple furanone; Menthethiol; 1-p-Menthene-8-thiol; Menthone; p-

Menthan-3-one; 2-Methoxy-3-isopropylpyrazine; 2-Methoxy-5-isopropylpyrazine;  
Methoxymethylphenol; 2-Methoxy-4-methylphenol; Creosol; 2-Methoxy-3-sec-butylpyrazine;  
2,5 -Methoxy-3-methylpyrazine; 2,6 -Methoxy-3-methylpyrazine; 2-Methoxy-3-methylpyrazine;  
5-Methoxy-2-methylpyrazine; Methoxypyrazine; 2-Methoxypyrazine; Methoxyvinylphenol; 2-  
Methoxy-4-vinylphenol; 4-Vinylguaiacol; Methyl butyrate; Methyl butanoate; Methyl 2 -  
furylmethyl disulfide; Methyl heptanoate; Methyl hexanoate, Methyl caproate; Methyl  
isobutyrate; Methyl 2-methyl propanoate; Methyl mercaptan; Methyl methylbutyrate; Methyl 2-  
methylbutyrate; Methyl 3-methylthiopropionate; Methyl octanoate; Methyl caprylate; Methyl 1-  
propenyl disulfide; Methyl salicylate; Methyl sulfide; Dimethyl sulfide; Methylthiomethane;  
Methyl valerate; Methyl pentanoate; 4-Methylacetophenone; p-Methylacetophenone;  
Methylbutyl acetate, 2-Methylbutyl acetate; Methylbutyraldehyde; 2-Methylbutyraldehyde;  
Methylbutyraldehyde; 3-Methylbutyraldehyde; Isovaleraldehyde; Methylbutyric acid; 2-  
Methylbutyric acid; Methylcyclopentenolone; Cyclotene; Ketonarome; Corylone; MCP; 2-  
Methyl-3-(furfurylthio)pyrazine; 2-Methyl-5-(furfurylthio)pyrazine; Methyl heptadienone; 6-  
Methyl-3,5-heptadien-2-one; Methylheptenol; 6-Methyl-5-hepten-2-ol; Methylheptenone; 6-  
Methyl-5-hepten-2-one; 2-Methyl-4-propyl-1,3-oxathiane; (+)-cis-2-Methyl-4-propyl-1,3-  
oxathiane; (-)-cis-2-Methyl-4-propyl-1,3-oxathiane; Methylpyrazine, 2-Methylpyrazine; 4-  
Methyl-5-thiazoleethanol; Sulfurol; Methylthioacetaldehyde; 2-Methylthioacetaldehyde;  
Methylthiomethylpyrazine (mixture of isomers); 2-Methylthio-3-methylpyrazine; 5-Methylthio-  
2-methylpyrazine; Methylthiophencarboxaldehyde; 2-Formyl-5-methylthiophene;  
Methylthiopropional; 3-(Methylthio)-propanal; Methional; Myrcene; Myristaldehyde;  
Tetradecanal; Aldehyde C-14 (Myristic); Myristic acid; Tetradecanoic acid; Nerol; Nonadienal;  
(E,Z)-2,6-Nonadienal; trans,cis-2,6-Nonadienal; Nonadienal; (E,E)-2,4-Nonadienal; trans,trans-  
2,4-Nonadienal; Nonanal; Nonyl aldehyde; Aldehyde C-9; Nonanoic acid; Nonanol; 1 -Nonanol;  
Nonyl alcohol; Alcohol C-9; Nonanone; 2-Nonanone; Methyl heptyl ketone; Nonenal; 2-  
Nonenal; Nonenal; cis-6-Nonenal; Nootkatone; (+)-Nootkatone (the natural isomer);  
Nootkatone; (-)-Nootkatone; Octalactone; delta-Octalactone; 5-Octanolide; Octalactone; gamma-  
Octalactone; 4-octanolide, Octanal; Caprylic aldehyde; Aldehyde C-8; Octanoic acid; Caprylic  
acid; Octanol; 1-Octanol; Octyl alcohol,- Alcohol C-8; Octanone; 2-Octanone; Octanone; 3-  
Octanone; Octenal; 2-Octenal; Octenol; 1-Octen-3-ol; Octenone; 1-Octen-3-one; Octyl acetate;

Octyl isobutyrate; Octyl 2-methylpropanoate; Palmitic acid; Hexadecanoic acid; Pentadecalactone; omega-Pentadecalactone; 15-Pentadecanolide; Pentanone; 2-Pentanone; Pentenal; 2-Pentenal; Pentenol, 1-Penten-3-ol; Pentenone, 1-Penten-3-one; Ethyl vinyl ketone; Pentenone, 3-Penten-2-one; Pentylfuran; 2-Pentylfuran; Pentylpyridine; 2-Pentylpyridine; Phenethyl alcohol; 2-Phenethyl alcohol; Phenol; Phenylacetaldehyde; Phenylacetic acid; Pinene; alpha-Pinene; Pinene; beta-Pinene; Piperidine; Piperonal; Heliotropine; Propanethiol; 1-Propanethiol; n-Propyl mercaptan; Propanol; 1-Propanol; Propyl alcohol; Propenyl propyl disulfide; Propyl propenyl disulfide; Propenylguaethol; 2-Ethoxy-5-propenylphenol; Propionaldehyde; Propanal; Propionic acid; Propanoic acid; Propyl butyrate; Propyl butanoate; Propyl propionate; Propyl propanoate; Pyrazinyl methyl sulfide; 2-(Methylthiomethyl)-pyrazine; Pyridine; Pyrrole; Pyrrolidine; Quinoline; Raspberry Ketone; 4-(p-Hydroxyphenyl)-2-butanone; Oxanone, Rose oxide; 4-Methyl-2-(2-methylpropen-1-yl)-tetrahydropyran; Sinensal; alpha-Sinensal; Sotolon; Caramel furanone; Stearic acid; Octadecanoic acid; Strawberry furanone; 4,5-Dimethyl-3-hydroxy-2(5H)-furanone; Styrene; Vinylbenzene; Terpeneol; alpha-Terpeneol; p-Menth-1-en-8-ol; Terpinolene; p-Menth-1,4(8)-diene; Tetramethylpyrazine, 2,3,5,6-Tetramethylpyrazine; Thiamine hydrochloride; Thymol, 5-Methyl-2-isopropylphenol; Trimethylamine; 2,2,6-Trimethylcyclohexanone; Trimethyloxazoline; 2,4,5-Trimethyl-3-oxazoline; Trimethyl pyrazine; 2,3,5-Trimethylpyrazine, Trimethylthiazole; 2,4,5-Trimethylthiazole; Undecalactone; delta-Undecalactone; 5-Undecanolide; Undecanal; Aldehyde C-11 (undecylic); Undecanoic acid; Undecylic acid; Unclecanone; 2-Undecanone; Methyl nonyl ketone; Valeraldehyde; Pentanal; Valeric acid; Pentanoic acid; Vanillin, 4-Hydroxy-3-methoxybenzaldehyde; Vinylphenol; and 4-Vinylphenol.

Claim 26. (Original). The article of Claim 22, wherein the plant is selected from rose, petunia, lilac, lavender, gardenia, orchid, snapdragon, cyclamen, lily, hyacinth, carnation, citronellia, mint, lemon, lime, orange, and pineapple.

Claim 27. (Original). The article of Claim 22, wherein the article is selected from a plant, a fresh flower, a dried flower, an artificial flower, a vase, a planter, a paper product, linens, and potpourri.